ORDER No. ACED020271C8

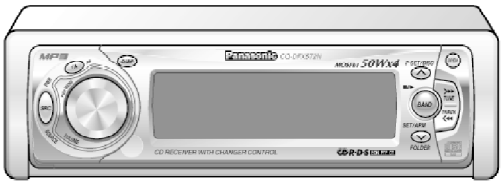
Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

MP3 COMPACT disc DIGITAL AUDIO TEXT PANASONIC INTELLIGENT RDS

CQ-DFX572N

MP3 CD Player / Receiver with CD Changer Control



SPECIFICATIONS

Specification*

General	
Power Supply	**DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground**
Current Consumption	**Less than 2.5A (CD mode, 0.5W× 4-Speaker)**
Maximum Power Output	**50W×4 (at 4 Ω)**
Power Output	**22W×4 (DIN45 324, at 4 Ω)**
Speaker Impedance	**4-8 Ω**
External Input Impedance	**10k Ω (AUX IN)**
External Input Sensitivity	**Max. 2V (AUX IN)**
Pre-AMP Output Voltage	**2.5V (CD mode)**
Pre-AMP Output Impedance	**200 Ω**
Sub-Woofer Output Voltage	**2.5V**
FM Stereo Radio	
Frequency Range	**87.5 - 108MHz**
Usable Sensitivity	**6dB/ μ V (S/N 30dB)**
Stereo Separation	**35dB (at 1kHz)**
MW Radio	
Frequency Range	**531 - 1,602kHz**

Usable Sensitivity	**29 dB/ μ V (S/N 20dB)**
LW Radio	
Frequency Range	**153 - 279kHz**
Usable Sensitivity	**34dB/ μ V (S/N 20dB)**
CD Player	
Sampling Frequency	**8 times over sampling**
DA Converter	**MASH 1bit/4 DAC system**
Error Correction System	**Panasonic super decoding algorithm**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wavelength	**780nm**
Frequency Response	**5Hz - 20kHz (±1dB)**
Signal to Noise Ratio	**90dB**
Total Harmonic Distortion	**0.01% (1kHz)**
Wow and Flutter	**Below measurable limits**
Channel Separation	**70dB**
MP3 Decoding	**MPEG1 Audio Layer3/ MPEG2 Audio Layer3**
Bit Rate	**(MPEG1 Audio Layer3) 32kbps-256kbps, VBR (Variable Bit Rate)** **(MPEG2 Audio Layer3) 16kbps-160kbps, VBR (Variable Bit Rate)**
Sampling Frequency	**(MPEG1 Audio Layer3) 32kHz, 44.1kHz, 48kHz** **(MPEG2 Audio Layer3) 22.05kHz, 24kHz**
Dimensions (W × H × D)**	**178×50×150mm**
Weight**	**1.6kg**

*** Specifications and the design are subject to possible modification without notice due to improvements.**
**** Dimensions and Weight shown are approximate.**

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. FEATUERS

- A CD-R and a CD-RW that hold CD-DA data can be reproduced.
- A CD-R and CD-RW that hold MP3 data can be reproduced.
- RDS (Radio Data System)
- Anti-Theft System

2. REPLACEING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the unit.

3. MAINTENANCE

Your products is designed and manufactured to ensure the minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

4. RADIO ALIGNMENT

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

5. CD DECK ALIGNMENT

This model has no servo alignment points because microcomputer controls the servo circuit.

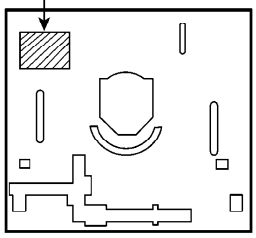
6. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

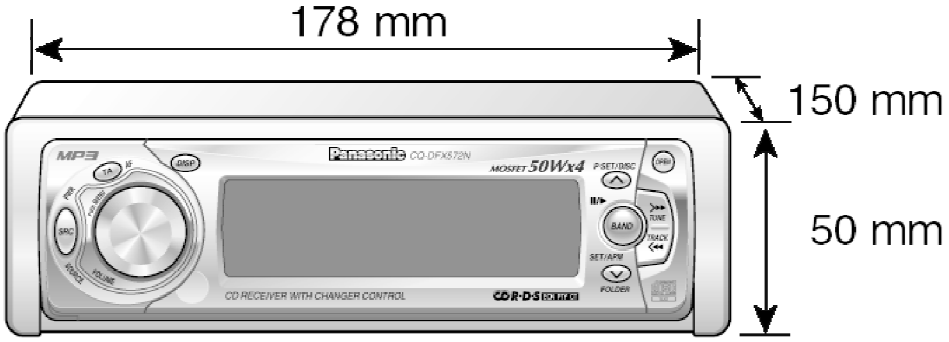
DANGER! Invisible laser radiation when open. Avoid direct exposure to beam.



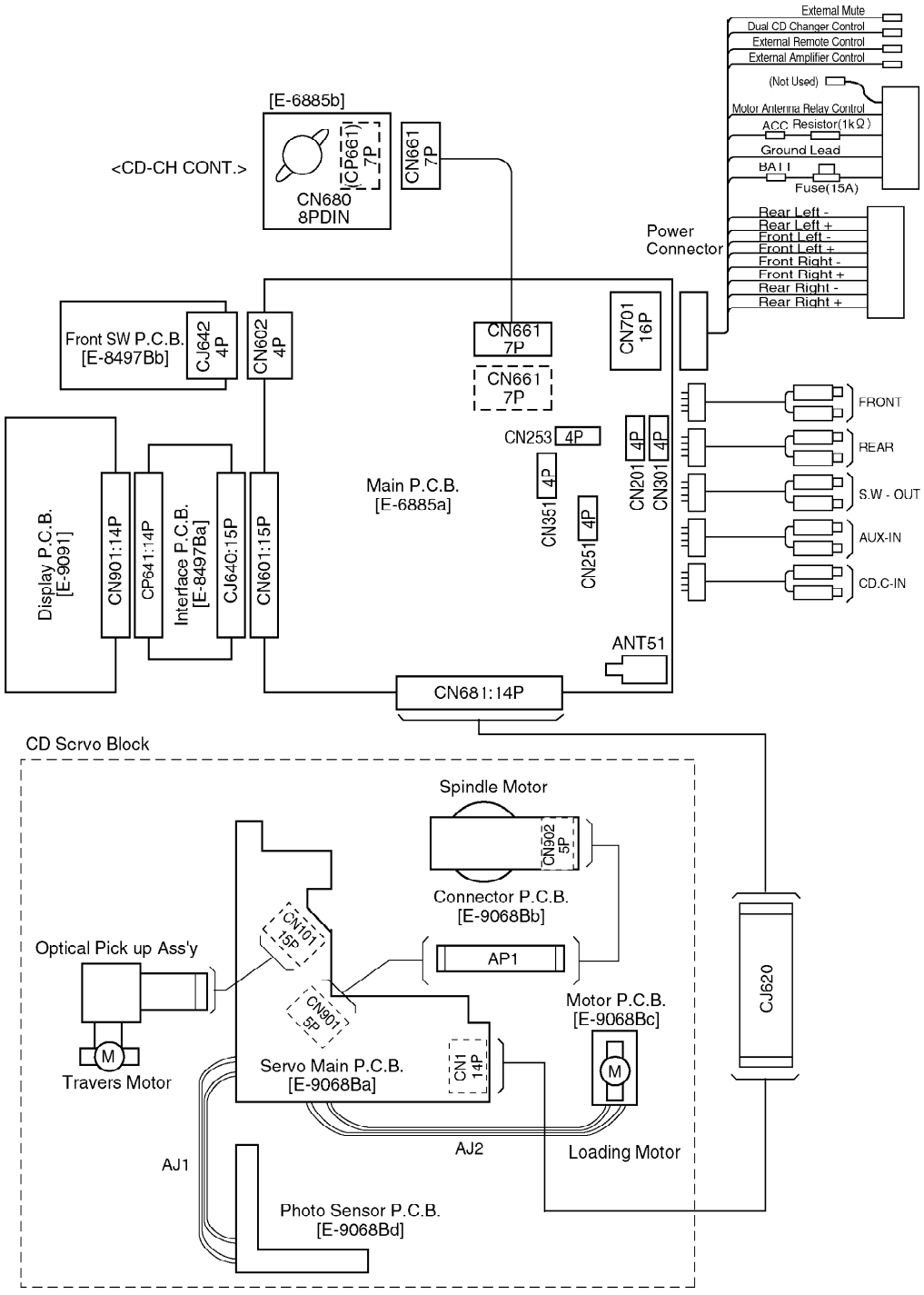
Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

7. DIMENSIONS



8. WIRING CONNECTION



<Note> :

▭ ·····This mark shows a Ref. No. of connector

[ ] ·····This mark shows a mounting position of connector.

9. TERMINALS DESCRIPTION

9.1. Main Block

IC601 : C2CBJG000197

Pin / No.	Port	Description	I/O	Vol.(V)		
				FM	AM	CD
1	CH.SENS	CD changer 1/2 detection	I	5.2	5.1	5.2
2	ST	FM stereo signal	I	5.2	5.2	5.2
3	EJECT	EJECT.KYE detection	I	5.1	5.1	5.1
4	AVSS	Ground	-	0	0	0
5	EXT MUTE	TEL/NAVI mute	I	5.3	5.3	5.3
6	CH 1/2	CD changer 1/2	O	5.0	5.0	5.0
7	AVREF1	Reference voltage	-	5.0	5.0	5.0
8	SUB.SO	LCD data	I	3.3	3.3	0
9	LCD.DI	LCD data	O	1.2	1.5	5.0
10	SUB.SI	LCD clock	O	1.5	1.5	1.5
11	CH.DATA	CD changer data	I	0	0	0
12	(NC)	-	-	-	-	-
13	CH.CLK	CD changer clock	I	0	0	0
14	CH.REM	CD changer remote control	O	5.0	5.0	5.0
15	<K4> BZ OUT	BEEP output	O	0	0	0
16	CD.SO	CD data	I	2.4	2.5	2.3
17	CD.SI	CD data	O	5.0	0	0
18	CD.SCK	CD clock	O	5.0	5.0	5.0
19	S.W.UP	Wake up	O	5.0	5.0	0
20	CD.RST	CD Reset	O	5.0	5.0	5.0
21	AMP.CNT	External AMP control	O	5.0	5.0	5.0
22	ANT.CNT	Antenna control	O	5.0	5.0	0
23	S-HDB ON /OFF (NC)	-	-	-	-	-
24	SUB W FREQ SEL (NC)	-	-	-	-	-
25	(NC)	-	-	-	-	-
26	(NC)	-	-	-	-	-
27	AMP MUTE	Mute control	O	5.0	5.0	5.0
28	CD ON	CD ON output	O	5.0	5.0	5.0
29	CD MUTE	CD mute detection	O	0.3	0	0
30	CD SW2 (NC)	-	-	-	-	-
31	SPE.A	Spectrum analyzer		4.8	4.8	4.8
32	SPE.B	Spectrum analyzer		4.8	4.8	4.8
33	VSS1	(Connecting to Ground)	-	0	0	0

Pin / No.	Port	Description	I/O	Vol.(V)		
				FM	AM	CD
34	SPE.C	Spectrum analyzer		4.8	4.7	4.7
35	ILL.CNT	ILL control	O	0	0	5.0
36	SCL	Electronic volume clock	O	4.4	4.4	4.4
37	SDA	Electronic volume data	I/O	4.4	4.4	4.4
38	S.LED	S LED control	O	0	0	0
39	EJ. ILL	Eject LED control	O	5.1	5.1	0
40	SEL	Spectrum analyzer	O	0.5	0.4	0.5
41	PLL.DI	PLL data	O	0	0	0
42	PLL.DO	PLL data	I	5.2	5.2	5.2
43	PLL.CLK	PLL clock	O	5.0	5.0	5.0
44	PLL.CE	PLL Control chip enabe	O	0	0	0
45	PANEL	PANEL ON/OFF detection	I	0	0	0
46	OP/CL	PANEL OPEN/CLOSE detection	I	5.1	5.1	0
47	NC	-	-	-	-	-
48	LCD 5V CNT	+5V power supply control	O	5.0	5.0	5.0
49	(NC)	-	-	-	-	-
50	NC	-	-	-	-	-
51	DIM1	Dimmer control 1	O	0	0	0
52	DIM2	Dimmer control 2	O	0	0	0
53	DECK V CONT (NC)	-	-	-	-	-
54	AF.MUTE	Audio mute control	O	5.0	5.0	5.0
55	(NC)	-	-	-	-	-
56	INV.CNT	INV power control	O	5.0	5.0	0
57	MAIN CNT	Main power control	O	4.8	4	4.8
58	ACC	ACC detection	I	5.0	5.0	5.0
59	RDS DATA	RDS data input	I	2.8	0	0
60	RESET	Reset input	I	5.0	5.0	5.0
61	M.W.UP	Main wake up request	I	4.9	4.9	4.9
62	BATT	Battery detection	I	5.0	5.0	5.0
63	RDS CLK	RDS clock input	I	2.5	0	0
64	CH.STRB	CD changer strobe	I	0	0	0
65	ROTARY 1	Rotary encoder 1	O	0	0	0
66	ROTARY 2	Rotary encoder 2	O	0	0	0
67	VSS0	Ground	-	0	0	0

Pin / No.	Port	Description	I/O	Vol.(V)		
				FM	AM	CD
68	VDD1	+5V power supply	-	5.0	5.0	5.0
69	X2	Crystal oscillator	-	3.1	3.1	3.1
70	X1	Crystal oscillator	I	2.4	2.4	2.4
71	VPP	Vpp	-	0	0	0
72	SUB X2	Crystal oscillator	-	3.1	3.1	3.1
73	SUB X1	Crystal oscillator	I	2.4	2.4	2.4
74	VDD0	+5V power supply	-	5.0	5.0	5.0
75	AVREF	Reference voltage	-	5.0	5.0	5.0
76	SD	FM/AM signal meter	I	0	0	0
77	INIT.A	Initialize set up A	I	0	0	0
78	INIT.B	Initialize set up B	I	0	0	0
79	A.IN	Spectrum analyzer	I	0	0	0
80	(NC)	-	-	-	-	-

Note :

Voltage measuerments are with respect to ground, with a voltmeter (Internal resistance : 10M ohms.)

9.2. Display Block

IC901 : C0HBA0000048

Pin No.	Port	Description	I/O	Volt. / (V)
1 - 59	SEG1 - SEG59	LCD Segment	O	3.2
60 - 69	COM10 - COM1	LCD Common	O	3.2
70 - 74	KS1 - KS5	Key Data Output	O	5.3
75	KS6 (NC)	-	-	-
76	KI1	Key Data Input	I	0
77	KI2	Key Data Input	I	0
78	KI3	Connecting to GND	-	0
79	KI4	Connecting to GND	-	0
80	KI5	Connecting to GND	-	0
81	P1	LCD Segment	O	5.3
82	P2 (NC)	-	-	-
83	P3 (NC)	-	-	-
84	P4 (NC)	-	-	-
85	VDD	+5V Power Supply	-	5.3
86	VLCD	LCD Control Voltage	I	8.3

Pin No.	Port	Description	I/O	Volt. / (V)
87	VLCD0	LCD Control Voltage 0		6.3
88	VLCD1	LCD Control Voltage 1		4.7
89	VLCD2	LCD Control Voltage 2		3.2
90	VLCD3	LCD Control Voltage 3		1.6
91	VLCD4	LCD Control Voltage 4	I	0
92	VSS	Connecting to GND	-	0
93	TEST	Connecting to GND	-	0
94	OSC0	CR Oscillator	I	3.0
95	OSC1	CR Oscillator	I	0
96	INH	Inhibit Input	-	5.3
97	DO	LCD Data Output	O	4.9
98	CE	LCD Chip Enable Input	I	0
99	CLK	LCD Clock Input	I	4.9
100	DI	LCD Data Input	I	0

9.3. CD Servo Block

IC501 : MN101C28LAC2

Pin / No.	Port	Description	I/O	Volt. / (V)
1	VREF-	Reference voltage for ADC (GND)	-	0
2	PA0	(Connecting to GND)	-	0
3	PA1	Disc-In sensor	I	2.9
4	PA2	Feeder arm SW	I	3.0
5	PA3	Disc-Out sensor	I	3.0
6	PA4	Clamp SW	I	0
7	PA5	Inner SW	I	3.3
8	PA6	Disc-In sensor	I	1.5
9	PA7	Not used	-	3.3
10	VREF+	Reference voltage for ADC (+3.3V)	-	3.3
11	VDD	Power supply (+3.3V)	-	3.3
12	OSC2	System clock (7.37MHz)	O	1.6
13	OSC1	System clock (7.37MHz)	I	1.5
14	VSS	Ground	-	0
15	XI	(Connecting to GND)	-	0
16	XO (NC)	No connection	-	-
17	MMOD	(Connecting to GND)	-	0
18	SOM	Serial data output	O	0.5
19	SIM	Serial data input	I	0.5

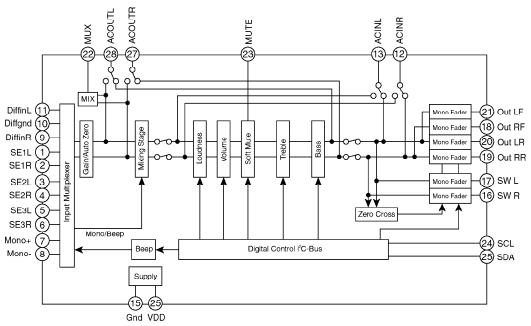
Pin / No.	Port	Description	I/O	Volt. / (V)
20	SCK	Shift clock for serial data	I	3.0
21	SB01/P03	No connection	-	-
22	SUBC	CD-TEXT data	I	0
23	SBCK	CD-TEXT clock	O	3.3
24	P06 (NC)	No connection	-	-
25	RESET	Reset input	I	3.3
26	MDATA	MPU communication data	O	1.0
27	MCLK	Shift clock for MDATA	O	2.5
28	SCK	Shift clock for serial data	I	2.2
29	STAT	Servo LSI status	I	0
30	TM4IO/ P14	No connection	-	-
31	POBF	MP3 DSP status	I	0
32	DATAREQ	MP3 DSP NEXT data request	I	3.0
33	CD. ON	CD operation mode	I	3.2
34	DQSY	CD-TEXT/SUBQ sync.	I	0
35	BLKCK	BLKCK signal	I	3.3
36	SQCK	Clock for sub. code data	I	1.5
37	SUBQ	Sub. code data	I	0
38	SBT2/ P32	(Connecting to GND)	O	0
39	MLD	MPU command load	O	3.3
40	ACK	MP3 DSP acknowledge	O	0
41	IOSEL	Servo LSI mode setting	O	3.3
42	VDD2	Power supply for flash write	-	3.3
43	VPP	Power supply for flash write	-	3.3
44	DSPP0	MP3 DSP data (bit0)	I/O	0
45	DSPP1	MP3 DSP data (bit1)	I/O	0
46	DSPP2	MP3 DSP data (bit2)	I/O	0
47	DSPP3	MP3 DSP data (bit3)	I/O	0
48	DSPP4	MP3 DSP data (bit4)	I/O	0
49	DSPP5	MP3 DSP data (bit5)	I/O	0
50	DSPP6	MP3 DSP data (bit6)	I/O	0
51	DSPP7	MP3 DSP data (bit7)	I/O	0
52	PCS	MP3 DSP chip select	O	0
53	PWE	MP3 DSP write enable	O	0
54	PRE	MP3 DSP read enable	O	1.3
55	PIBE	MP3 status for data input	I	3.3
56	DSPRST	DSP reset	O	3.3
57	PRST	Servo LSI reset	O	2.2
58	STAT	Servo LSI status	I	0

Pin / No.	Port	Description	I/O	Volt. / (V)
59	DMUTE	Digital voice signal mute	O	0
60	TLOCK	Tracking lock	I	0
61	FLOCK	Focus lock	I	0
62	SENSE	Servo LSI detection	I	0
63	STOP	MP3 DSP stop	O	0
64	ERROR	MP3 DSP error detection	I	1.3
65	MUTE	Voice signal mute	O	2.5
66	TRV	Traverse motor control	I/O	1.6
67	PC1	Loading motor drive output cont.	O	0
68	PC2	Fo & Tr actuator driver output cont.	O	3.3
69	LOD	Loading motor control	I/O	1.6
70	P75 (NC)	No connection	-	-
71	P76 (NC)	No connection	-	-
72	GCTL	RF amp gain control	O	1.3
73	P87 (NC)	No connection	-	-
74	P86 (NC)	No connection	-	-
75	P85 (NC)	No connection	-	-
76	P84 (NC)	No connection	-	-
77	P83 (NC)	No connection	-	-
78	IPFLAG (NC)	No connection	-	-
79	PHOTO	Photo sensor power control	O	0
80	P80 (NC)	No connection	-	-

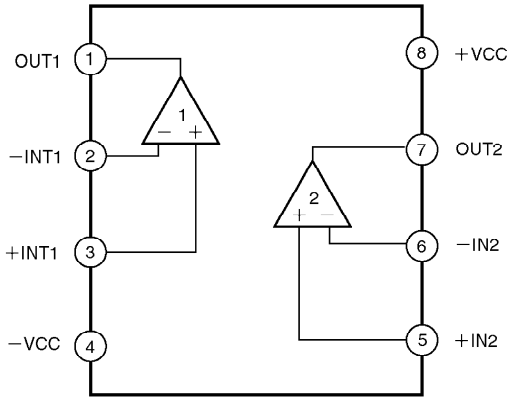
10. PACKAGE AND IC BLOCK DIAGRAM

10.1. Main Block

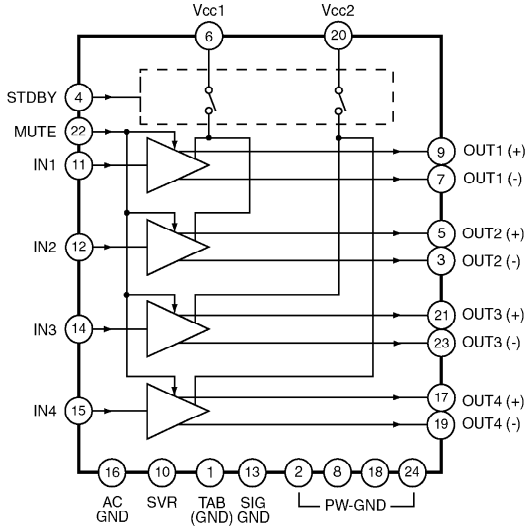
IC201 : C1BB00000543



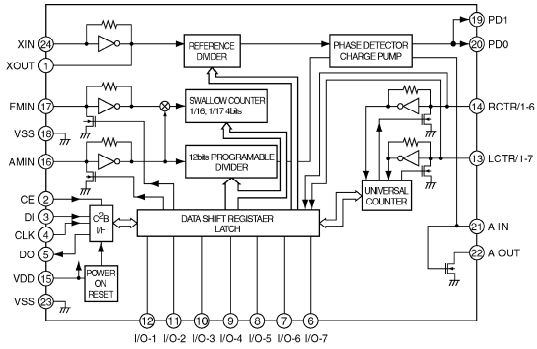
IC231 : YEAMM2115MT1



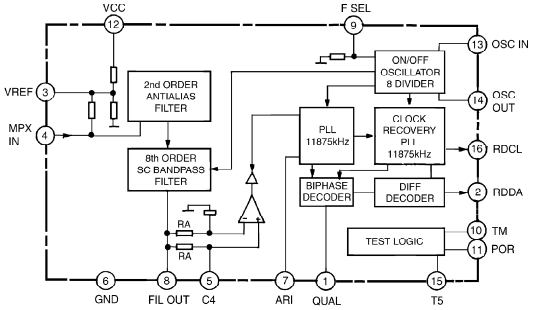
IC271 : C1EA00000029



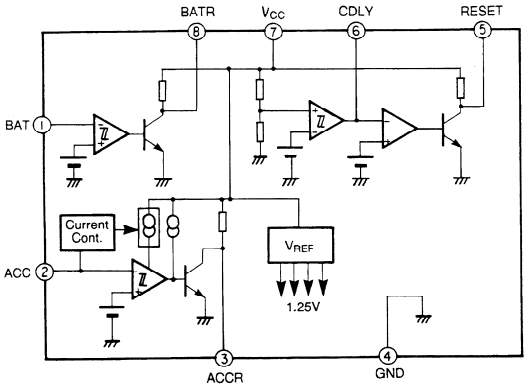
IC401 : C1BB00000644



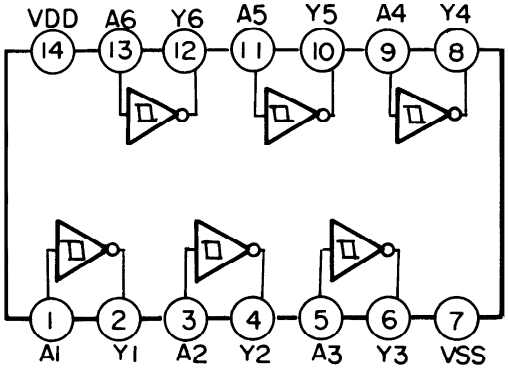
IC501 : YEAMDA7479D



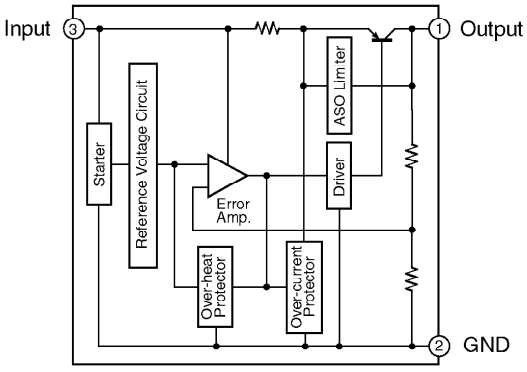
IC602 : AN8065SE1



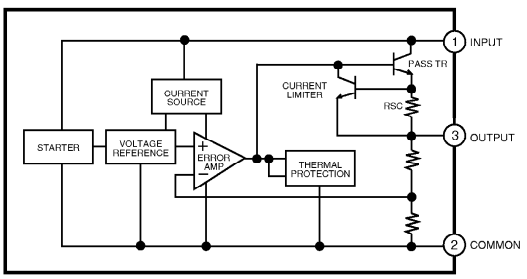
IC650 : YEAMC14584BE



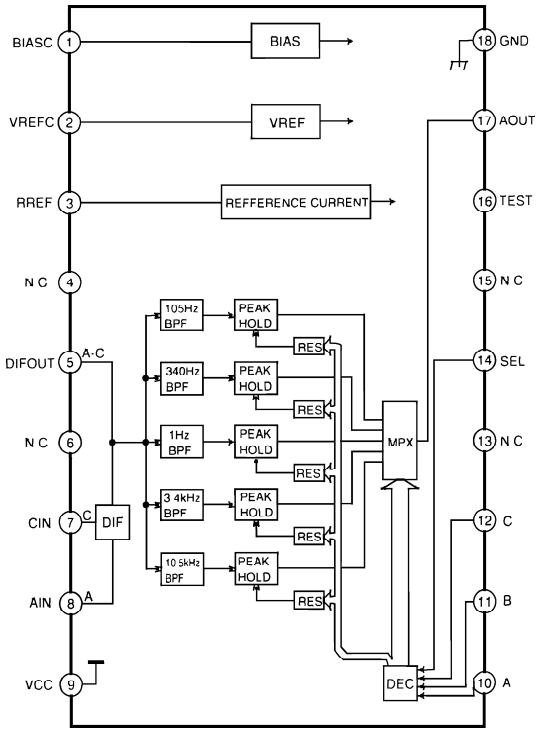
IC719, 762 : AN8009M-E1



IC761 : AN7807F / IC792 : YEAMPC7805H

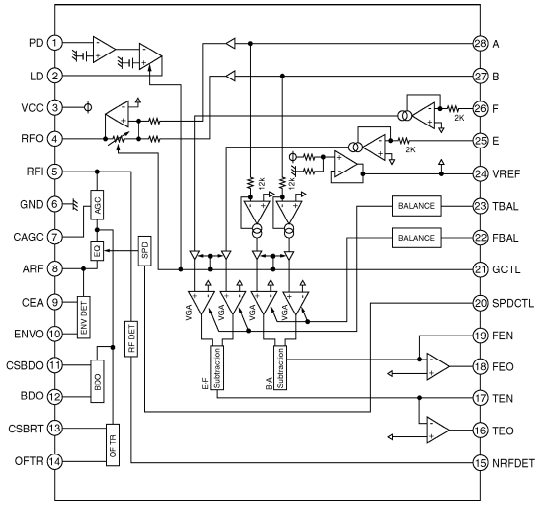


IC801 : YEAMBA3835FE

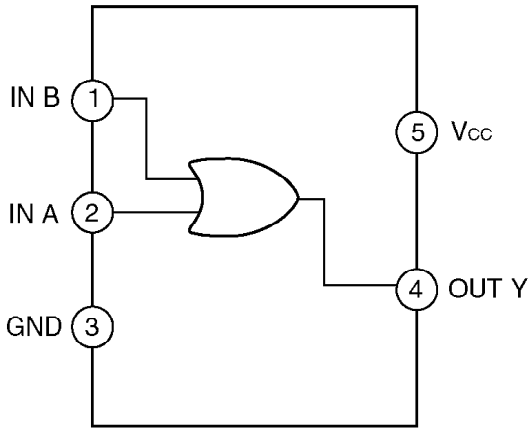


10.2. CD Servo Block

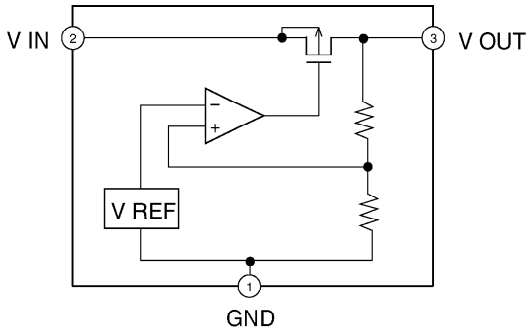
IC101 : C1BB00000624



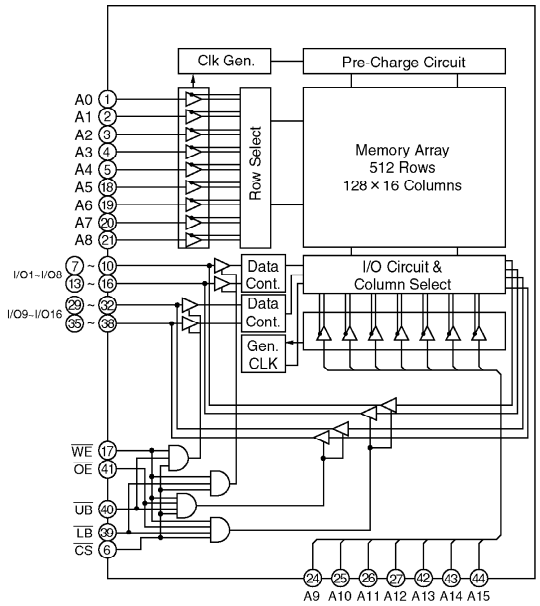
IC441 : C0JBAE000087 / IC541 : YEAMT7ST32UL



IC531 : YEAM7200U33T



IC551 : C3BBHG000053



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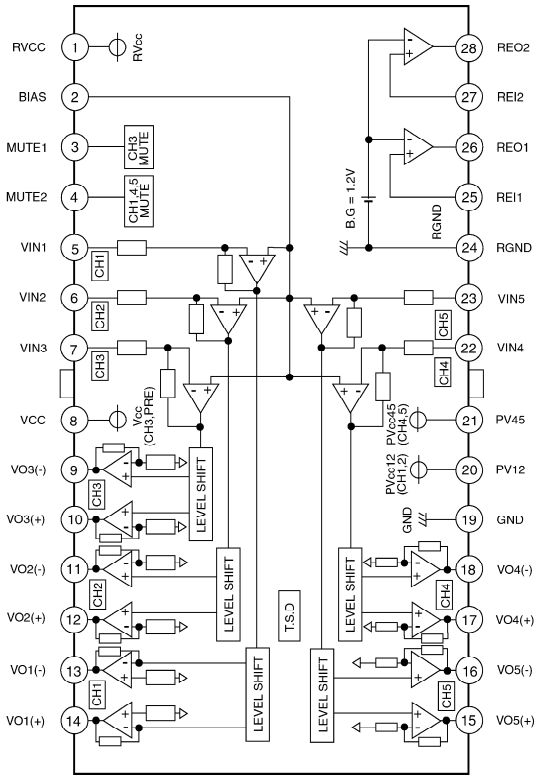


11. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

Ref. No.	Part No.	Part Name & Description	Remarks
[E-6885] Main Block			
IC's and TRANSISTORs			
IC201	C1BB00000543	IC	
IC231	YEAMM2115MT1	IC	
IC271	C1EA00000029	IC	
IC401	C1BB00000644	IC	
IC501	YEAMDA7479D	IC	
IC601	C2CBJG000197	IC	
IC602	AN8065SE1	IC	
IC650	YEAMC14584BE	IC	
IC719	AN8009M-E1	IC	
IC761	AN7807F	IC	
IC762	AN8009M-E1	IC	
IC781	YEAMPC2910HF	IC	
IC791	YEAMPC2908HF	IC	
IC792	YEAMPC7805H	IC	
IC801	YEAMBA3835FE	IC	
PA51	C5BA00000104	Electronic Tuner	
Q55	YEANHQ1F3PT1	Transistor	
Q61	B1GBCFNN0004	Transistor	
Q62	B1GDCFNN0002	Transistor	
Q66	B1ABCF000044	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q411	YEAN2SK536TB	Transistor	
Q642	B1GBCFNN0004	Transistor	
Q644	B1GDCFJN0004	Transistor	
Q645	B1GDCFJN0004	Transistor	
Q646	B1GBCFNN0004	Transistor	
Q660	YEANFP1F3PT1	Transistor	
Q661	YEANA114TK	Transistor	
Q667	B1GBCFNL0001	Transistor	
Q670	B1GDCFJJ0002	Transistor	
Q701	YEANC4480AN	Transistor	
Q702	YEANC4480AN	Transistor	
Q703	YEANB1243QRT	Transistor	
Q704	YEANFB1F3PT1	Transistor	
Q705	2SD2139TA	Transistor	
Q708	2SD1994ATA	Transistor	
Q720	YEANHQ1F3PT1	Transistor	
Q721	YEANC114YKX	Transistor	
Q722	YEANHQ1F3PT1	Transistor	
Q723	YEANC114YKX	Transistor	
Q760	YEANC114YKX	Transistor	
Q761	YEANB1243QRT	Transistor	
Q764	B1GFCFNN0001	Transistor	
Q781	YEANC4480AN	Transistor	
Q782	YEANC114YKX	Transistor	
Q783	YEANA114WKTX	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
DIODEs			
D325	YEADRD51MBT1	Diode	
D326	YEADRD51MBT1	Diode	
D504	YEADRD51M2T1	Diode	
D601	LN25RP	LED	
D603	MA3X152A0L	Diode	
D650	MA3X152A0L	Diode	
D676	MA152WATX	Diode	
D701	MA721WKTX	Diode	
D702	YEAD11ES2T	Diode	
D703	YEADRD56M3T1	Diode	
D706	YEADDAM3MA47	Diode	
D707	YEADRB051L40	Diode	
D708	YEADRD91M1T2	Diode	
D709	B0BC9R600001	Diode	
D711	MA4051LMTA	Diode	
D712	MA721TX	Diode	
D719	MA723TA	Diode	
D765	MA153TX	Diode	
D766	YEADRD27M2T1	Diode	
D767	MA721TX	Diode	
CAPACITORs			
C50	YECUS1H100CC	Ceramic, 10PF 50WV	
C53	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C54	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C55	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C61	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C62	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C65	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C66	YECUS1H471JM	Ceramic, 470PF 50WV	
C201	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C202	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C203	ECEA1HKS3R3I	Electrolytic, 3.3 μ F 50WV	
C204	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C206	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C207	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C208	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C209	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C210	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C212	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C220	ECEA1HKS2R2I	Electrolytic, 2.2 μ F 50WV	
C235	F1J1C184A006	Ceramic, 0.18 μ F 16WV	
C236	YECUS1H823KX	Ceramic, 0.082 μ F 50WV	
C237	F1J1C184A006	Ceramic, 0.18 μ F 16WV	
C261	ECEA1EKS4R7I	Electrolytic, 4.7 μ F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C263	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C265	ECEA1EKS4R7I	Electrolytic, 4.7 μ F 25WV	
C267	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C271	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C272	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C274	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C275	F1J1C1050013	Ceramic, 1 μ F 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C279	ECA1CDT472Y	Electrolytic, 4700 μ F 16WV	
C301	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C302	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C303	ECEA1HKS3R3I	Electrolytic, 3.3 μ F 50WV	
C304	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C306	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C308	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C309	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C310	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C320	ECEA1HKS2R2I	Electrolytic, 2.2 μ F 50WV	
C325	YECUS1H221JM	Ceramic, 220PF 50WV	
C339	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C345	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C361	ECEA1EKS4R7I	Electrolytic, 4.7 μ F 25WV	
C363	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C365	ECEA1EKS4R7I	Electrolytic, 4.7 μ F 25WV	
C367	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C371	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C372	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C374	ECEA1HKS2R2I	Electrolytic, 2.2 μ F 50WV	
C375	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C401	YECUS1H150JM	Ceramic, 15PF 50WV	
C402	YECUS1H150JM	Ceramic, 15PF 50WV	
C403	ECEA0JKS101I	Electrolytic, 100 μ F 6.3WV	
C404	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C405	F1H1H101A231	Ceramic, 0.001 μ F 50WV	
C411	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C412	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C413	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C417	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C418	ECA1AM471	Electrolytic, 470 μ F 10WV	
C501	YECUS1H270JC	Ceramic, 27PF 50WV	
C502	YECUS1H270JC	Ceramic, 27PF 50WV	
C504	ECEA1CKS470I	Electrolytic, 47 μ F 16WV	
C505	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C506	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C507	YECUZ1H271JC	Ceramic, 270PF 50WV	
C508	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C601	EECS0HD473H	Electrolytic, 0.047 μ F 5.5WV	
C602	ECEA0JKS331I	Electrolytic, 330 μ F 6.3WV	
C605	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C624	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C628	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C631	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C632	F1H1H220A487	Ceramic, 22PF 50WV	
C633	F1H1H220A487	Ceramic, 22PF 50WV	
C634	F1H1H220A487	Ceramic, 22PF 50WV	
C635	F1H1H220A487	Ceramic, 22PF 50WV	
C639	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C651	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C660	ECEA1HKS2R2I	Electrolytic, 2.2 μ F 50WV	
C674	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C675	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C683	ECA1HSA4R7I	Electrolytic, 4.7 μ F 50WV	
C687	ECA1CSA470I	Electrolytic, 47 μ F 16WV	
C688	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C691	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C697	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C698	F1J1H101A506	Ceramic, 100PF 50WV	
C699	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C700	YECUS1C154KX	Ceramic, 0.15 μ F 16WV	
C701	ECEA1CKS101I	Electrolytic, 100 μ F 16WV	
C702	ECEA1CKS101I	Electrolytic, 100 μ F 16WV	
C703	ECEA1HKS4R7I	Electrolytic, 4.7 μ F 50WV	
C704	ECEA0JKS470I	Electrolytic, 47 μ F 6.3WV	
C705	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C706	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C707	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C708	ECA1AM331I	Electrolytic, 330 μ F 10WV	
C709	ECEA1CKS101I	Electrolytic, 100 μ F 16WV	
C710	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C711	ECEA0JKS470I	Electrolytic, 47 μ F 6.3WV	
C713	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C715	ECA1CDT102BQ	Electrolytic, 1000 μ F 16WV	
C717	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C718	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C719	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C752	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C753	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C759	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C760	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C761	ECEA1AKS470I	Electrolytic, 47 μ F 10WV	
C768	ECEA1CKS470I	Electrolytic, 47 μ F 16WV	
C769	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C770	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C783	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C784	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C785	ECEA1CKS101I	Electrolytic, 100 μ F 16WV	
C792	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C793	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C795	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C796	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C797	ECEA0JKS101I	Electrolytic, 100 μ F 6.3WV	
C805	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C806	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C807	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C808	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C809	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
J601	YECUS1H221JM	Ceramic, 220PF 50WV	
J604	YECUS1H221JM	Ceramic, 220PF 50WV	
J605	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
J606	YECUS1H221JM	Ceramic, 220PF 50WV	
J607	YECUS1H221JM	Ceramic, 220PF 50WV	
RESISTORs			
C231	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J401	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J402	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J403	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J406	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J608	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J609	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J610	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L61	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L62	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L291	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L292	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L298	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L299	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L394	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L398	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L399	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R50	ERJ6GEYJ5R6	Chip, 5.6 Ω 1/10W	
R51	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R54	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R55	ERJ6GEYJ471	Chip, 470 Ω 1/10W	
R58	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R59	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R65	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R66	ERJ6GEYJ334	Chip, 330k Ω 1/10W	
R67	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R68	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R201	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R202	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R204	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R205	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R206	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R207	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R208	ERJ3GEYJ363V	Chip, 36k Ω 1/16W	
R225	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R226	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R227	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R231	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R233	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R235	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R237	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R238	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R247	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R248	ERD6GEYJ180	Chip, 18 Ω 1/10W	
R251	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R257	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R261	ERJ3GEYJ181V	Chip, 180 Ω 1/16W	
R262	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R263	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R265	ERJ3GEYJ181V	Chip, 180 Ω 1/16W	
R266	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R267	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R275	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R301	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R302	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R304	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R305	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R306	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R307	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R308	ERJ3GEYJ363V	Chip, 36k Ω 1/16W	
R325	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R326	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R331	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R337	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R345	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R346	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R348	ERD6GEYJ180	Chip, 18 Ω 1/16W	
R351	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R357	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R361	ERJ3GEYJ181V	Chip, 180 Ω 1/16W	
R362	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R363	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R365	ERJ3GEYJ181V	Chip, 180 Ω 1/16W	
R366	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R367	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R375	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R401	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R402	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R403	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R408	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R413	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R414	ERJ8GEYJ561V	Chip, 560 Ω 1/8W	
R417	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R501	ERJ6GEYJ225V	Chip, 2.2k Ω 1/10W	
R504	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R506	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R507	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R602	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R604	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R605	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R607	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R608	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R609	ERJ3GEYJ154V	Chip, 150k Ω 1/16W	
R611	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R612	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R615	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R616	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R617	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R619	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R623	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R624	ERJ8GEYJ472V	Chip, 4.7k Ω 1/8W	
R625	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R628	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R631	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R632	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R633	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R634	ERJ3GEYJ564V	Chip, 560k Ω 1/16W	
R638	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R639	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R640	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R641	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R642	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R643	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R644	ERJ3GEYJ331V	Chip, 330 Ω 1/16W	
R645	ERJ3GEYJ331V	Chip, 330 Ω 1/16W	
R650	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R651	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R652	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R653	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R660	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	
R661	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R662	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R664	ERJ6GEYJ471	Chip, 470 Ω 1/10W	
R667	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R670	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R672	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R673	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R674	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R676	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R677	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R678	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R679	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R680	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R681	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R683	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R684	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R685	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R687	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R689	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R691	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R692	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R693	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R694	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R696	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R698	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R700	ERJ8GEYJ270V	Chip, 27 Ω 1/8W	
R701	ERJ8GEYJ270V	Chip, 27 Ω 1/8W	
R702	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R703	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R704	ERJ3GEYJ274V	Chip, 270k Ω 1/16W	
R705	ERJ6GEYJ433	Chip, 43k Ω 1/10W	
R706	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R707	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R708	ERJ3GEYJ433V	Chip, 43k Ω 1/16W	
R709	ERJ8GEYJ473V	Chip, 47k Ω 1/8W	
R710	ERDS1FJ821	Carbon, 820 Ω 1/2W	
R711	ERDS1FJ821	Carbon, 820 Ω 1/2W	
R712	ERJ8GEYJ1R0V	Chip, 1.0 Ω 1/8W	
R713	ERJ8GEYJ1R0V	Chip, 1.0 Ω 1/8W	
R714	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R715	ERJ6GEYJ471	Chip, 470 Ω 1/10W	
R716	ERJ8GEYJ151V	Chip, 150 Ω 1/8W	
R717	ERJ8GEYJ151V	Chip, 150 Ω 1/8W	
R718	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R731	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R732	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R733	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R735	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R736	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R737	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R753	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R758	ERJ8GEYJ152V	Chip, 1.5k Ω 1/8W	
R759	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R764	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R769	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R770	ERJ6GEYJ473	Chip, 47k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R771	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R803	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R804	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
CONNECTORs			
CN201	YEAE012656	Connector, 4P (RCA REAR)	
CN251	YEAE012503	Connector, 4P (RCA CD.C-IN)	
CN253	YEAJ011604	Connector, 4P (RCA SUB.W)	
CN301	YEAE012655	Connector, 4P (RCA FRONT)	
CN351	K2KF29Z00013	Connector, 4P (RCA AUX-IN)	
CN601	YEAE0115MX	Connector, 15P	
CN602	YEAE0104MX	Connector, 4P	
CN661	K1PQ07A00001	Connector, 7P	
CN680	YEAE012307	Connector, 8P DIN	
CN681	YEAE012763	Connector, 14P	
CN701	YEAE012748	Connector, 16P	
CN702	K1PQ02Z00004	Connector, 4P	
SWITCH			
SW601	YEAS08042	Switch	
CRYSTALs			
XL401	H0D720400003	Crystal OSC	
XL501	YEXL49U0433T	Crystal OSC	
XL601	H0D125500002	Crystal OSC	
XL602	YEXLMC60327	Crystal OSC	
COILs			
L50	YELT03A330KT	Coil	
L401	YELT03N101JT	Coil	
L501	YELT03N330JT	Coil	
L504	YELT03N330JT	Coil	
L671	ELEAR330KA	Coil	
L691	YELT02C101KT	Coil	
L701	YELTBL01R1AT	Coil	
L702	YETQ026T164	Coil	
L704	YELT02C470KT	Coil	
LAMP			
Z50	J0LE00000002	Neon Lamp	
RESISTOR NETWORK			
R620	EXBV8V102JV	Resistor Network	
THERMISTOR			

Ref. No.	Part No.	Part Name & Description	Remarks
PT701	YERT7AR4R7MT	Thermistor	
[E-9091] Display Block			
IC's and TRANSISTORs			
IC901	C0HBA0000048	IC	
IC902	B3MBZ0000006	IC	
Q901	B1GDCFJJ0008	Transistor	
Q902	B1GBCFNN0009	Transistor	
Q921	YEANSSTA06T	Transistor	
Q922	YEANSSTA06T	Transistor	
DIODEs			
D901	MA8056LMHTX	Diode	
D902	MA8056LMHTX	Diode	
D903	MA8056LMHTX	Diode	
D904	MA8056LMHTX	Diode	
D905	MA8056LMHTX	Diode	
D906	B0BC8R100002	Diode	
D908	LN1271RAL	LED	
CAPACITORs			
C902	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C903	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C904	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C905	YECUZ1H221JC	Ceramic, 220PF 50WV	
C906	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C907	YECSV1CM225R	Tantalum, 2.2 μ F 16WV	
C911	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C912	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C913	F1J1H102A034	Ceramic, 0.001 μ F 50WV	
C915	YECUZ1H562KX	Ceramic, 0.0056 μ F 50WV	
C916	YECUZ1H562KX	Ceramic, 0.0056 μ F 50WV	
C921	F2H1C2200001	Electrolytic, 22 μ F 16WV	
C922	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C923	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C924	F0F2A2230001	Plastic Film, 0.022 μ F 100WV	
C925	F1L3F1500001	Ceramic, 15PF 3160WV	
RESISTORs			
R901	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R902	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R903	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R904	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R905	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R908	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R911	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R912	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R913	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R914	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R915	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R916	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R921	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R922	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R923	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R931	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R932	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R933	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R934	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
CONNECTOR			
CN901	YEAE012760	Connector, 14P	
SWITCHEs			
SW901	YEAS09312	Switch	
SW902	YEAS09312	Switch	
SW903	YEAS09312	Switch	
SW904	K9AA018B0003	Switch	
SW905	K0H1BA000285	Switch	
SW906	K0H1BA000285	Switch	
SW907	K0H1BA000285	Switch	
SW908	K0H1BA000285	Switch	
SW909	K0H1BA000285	Switch	
COILs			
L921	G1C101M00014	Coil	
L922	G5C1AAA00001	Power Transformer	
LCD			
LCD901	L5ACALD00002	LCD Display	
LAMP			
CFL901	A2CA00000019	Display Tube	
[E-8497B] Interface/ Front SW Block			
DIODEs			
D642	LNJ306G5TUWQ	LED	

Ref. No.	Part No.	Part Name & Description	Remarks
D643	LNJ306G5TUWQ	LED	
CONNECTORs			
CJ640	K1KA15A00096	Connector, 15P	
CJ642	K1KA04A00296	Connector, 4P	
CP641	YEAE012761	Connector, 14P	
SWITCH			
SW610	YEAS09267	Switch	
[E-9068B] CD Servo Block			
IC's and TRANSISTORs			
IC101	C1BB00000624	IC	
IC401	MN6627482WB	IC	
IC441	C0JBAE000087	IC	
IC451	MN1933222MF	IC	
IC501	MN101C28LAC2	IC	
IC531	YEAM7200U33T	IC	
IC541	YEAMT7ST32UL	IC	
IC551	C3BBHG000053	IC	
IC901	C0GBY0000012	IC	
Q1	B3HB00000012	Transistor	
Q3	B3HB00000012	Transistor	
Q6	B3HB00000012	Transistor	
Q101	2SB766ATX	Transistor	
Q451	B1GBCFCJ0005	Transistor	
Q521	B1GBCFCJ0005	Transistor	
Q901	B1BDCD000002	Transistor	
DIODEs			
D1	YEADAN1102W	Diode	
D3	YEADAN1102W	Diode	
D6	YEADAN1102W	Diode	
D501	MA152WKTX	Diode	
D521	MA3X152A0L	Diode	
D901	MA152WATX	Diode	
CAPACITORs			
C101	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C103	F3H0J1070005	Tantalum, 100 μF 16WV	
C104	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C105	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C106	F1H1H821A190	Ceramic, 820 μ F 50WV	
C107	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C108	F1H1H682A190	Ceramic, 0.0068 μ F 50WV	
C109	YECUZ1H272KX	Ceramic, 0.0027 μ F 50WV	
C110	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C111	F1H1H101A231	Ceramic, 100PF 50WV	
C112	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C113	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C114	YECUZ1H561KX	Ceramic, 560PF 50WV	
C115	F1H1H3910002	Ceramic, 390 μ F 50WV	
C116	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C117	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C118	YECUZ1H272KX	Ceramic, 0.0027 μ F 50WV	
C119	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C120	ECSH1AC226CR	Tantalum, 22 μ F 10WV	
C121	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C122	F1H1H101A231	Ceramic, 100PF 50WV	
C123	F1H1H101A231	Ceramic, 100PF 50WV	
C124	F1H1H101A231	Ceramic, 100PF 50WV	
C125	F1H1H101A231	Ceramic, 100PF 50WV	
C401	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C402	F1H1H100A226	Ceramic, 10PF 50WV	
C403	F1H1E123A011	Ceramic, 0.012 μ F 25WV	
C405	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C406	ECEV0GA101SR	Electrolytic, 100 μ F 4WV	
C407	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C408	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C409	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C410	ECEV0GA101SR	Electrolytic, 100 μ F 4WV	
C411	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C412	F1H1H101A231	Ceramic, 100PF 50WV	
C441	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C451	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C452	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C453	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C454	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C455	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C456	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C457	F1H1C473A005	Ceramic, 0.047 μ F 16WV	
C458	ECEV0GA101SR	Electrolytic, 100 μ F 4WV	
C460	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C501	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C502	ECEV0GA101SR	Electrolytic, 100 μ F 4WV	
C503	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C521	F1H1H820A231	Ceramic, 82PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C522	F1H1H820A231	Ceramic, 82PF 50WV	
C523	F1H1H820A231	Ceramic, 82PF 50WV	
C524	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C531	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C532	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C541	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C551	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C552	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C553	ECSH1AC226CR	Tantalum, 22 μF 10WV	
C901	YECUZ1C333KX	Ceramic, 0.033 μF 16WV	
C902	F1J1C1050013	Ceramic, 1 μF 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C904	ECEV1AA470P	Electrolytic, 47 μF 10WV	
C905	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C906	ECEV0JA470SR	Electrolytic, 47 μF 6.3WV	
C907	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C909	ECEV0GA470SR	Electrolytic, 47 μF 4WV	
C910	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C912	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C913	ECEV1AA470P	Electrolytic, 47 μF 10WV	
C914	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C915	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
L903	F1Z1E2220001	Ceramic, 0.0022 μF 25WV	
RESISTORs			
R101	ERJ6GEYJ1R0	Chip, 1 Ω 1/10W	
R103	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R104	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R105	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R106	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R107	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R108	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R109	ERJ3GEYJ124V	Chip, 120k Ω 1/16W	
R112	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R114	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R116	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R117	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R118	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R119	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R401	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R402	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R403	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R404	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R405	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	

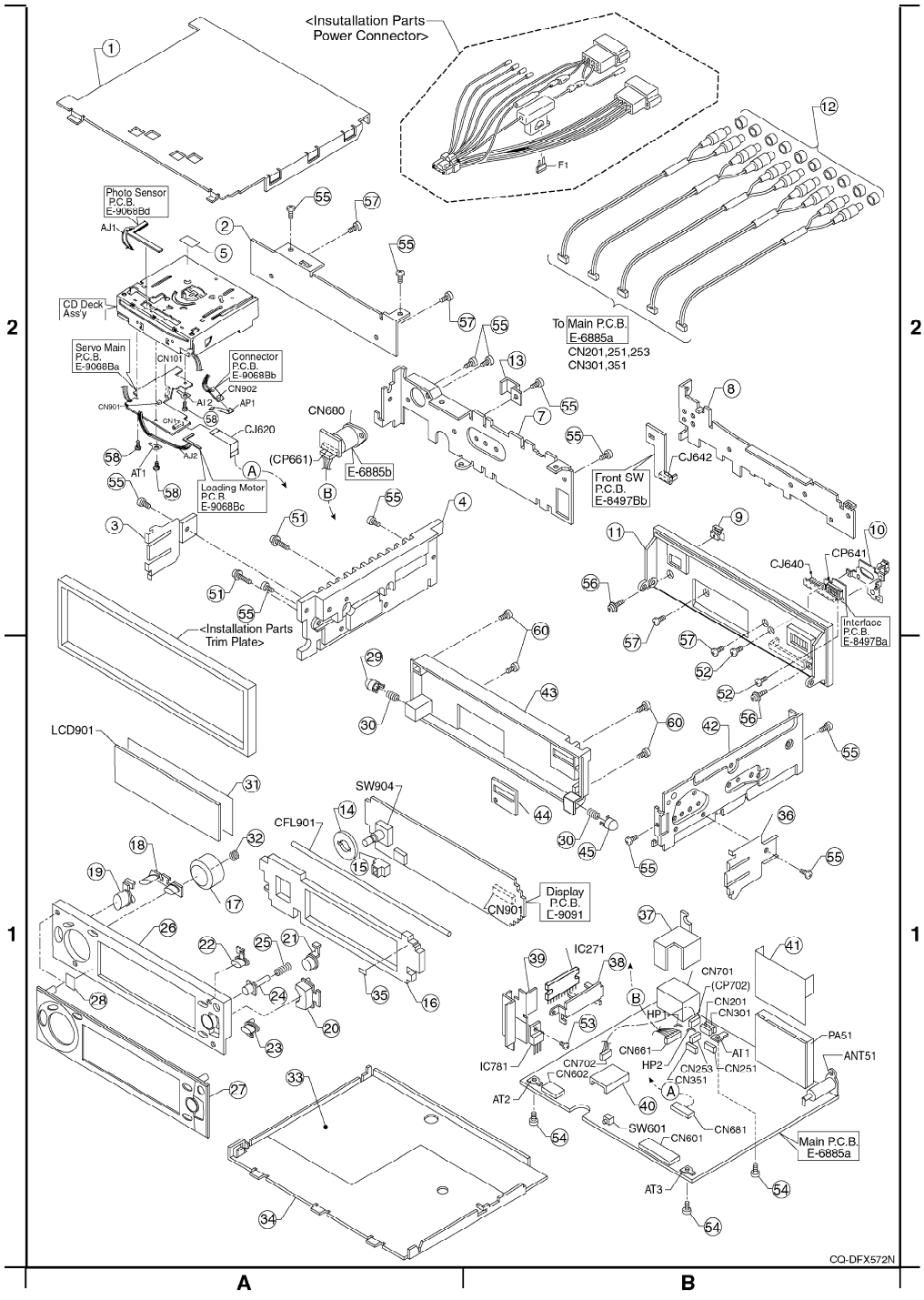
Ref. No.	Part No.	Part Name & Description	Remarks
R406	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R407	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R409	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R410	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R411	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R412	ERJ3GEYJ391V	Chip, 390 Ω 1/16W	
R413	ERJ3GEYJ334V	Chip, 330k Ω 1/16W	
R414	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R416	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R417	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R452	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R453	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R454	ERJ3GEYJ681V	Chip, 680 Ω 1/16W	
R455	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R456	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R457	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R458	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R459	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R460	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R461	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R467	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R471	ERJ8GEYJ181V	Chip, 180 Ω 1/8W	
R473	ERJ8GEYJ221V	Chip, 220 Ω 1/8W	
R501	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R505	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R511	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R512	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R513	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R514	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R515	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R516	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R517	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	
R521	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R522	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R523	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R524	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R525	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R526	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R527	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R528	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R529	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R530	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R531	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R551	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R901	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R902	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R903	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R904	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R905	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R906	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R907	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R908	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R909	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R910	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R911	ERJ12YJ100H	Chip, 10 Ω 1/2W	
CONNECTORs			
CN1	K1MN14B00028	Connector, 14P	
CN101	YEAESFW15R1E	Connector, 15P	
CN901	K1MN05B00010	Connector, 5P	
CN902	K1MN05B00009	Connector, 5P	
SWITCHEs			
SW2	K0L1BA000022	Switch	
SW4	YEAS09275	Switch	
CRYSTAL			
XL501	YEXLSTCC737T	Crystal OSC	
CERAMIC FILTER			
XL201	H2D169500005	Ceramic Filter	
COILs			
L101	YELTLM41P750	Coil	
L401	YELTBLM1B601	Coil	
L402	YELTBLM1B601	Coil	
L501	EXCCET103U	RF Coil	
L901	YELTBLM21A10	Coil	
L902	YELTBLM21A10	Coil	
RESISTOR NETWORKs			
R462	D1H810140004	Resistor Network	
R463	D1H810140004	Resistor Network	
R464	D1H810140004	Resistor Network	
R465	D1H810140004	Resistor Network	
R466	D1H810140004	Resistor Network	
R472	D1H810140004	Resistor Network	
R474	D1H810140004	Resistor Network	
R476	D1H810140004	Resistor Network	
PRINTINGs			
	YEFM283837	Operating Instructions	

Ref. No.	Part No.	Part Name & Description	Remarks
INSTALLATION PARTS			
	CR2025/1F	Lithium Battery	
	YEAJ02841	Power Connector	
	YEFX0215873	Mounting Collar	
	YEFA131646	Removable Face Plate Case	
	YEFC05587A	Trim Plate	
	YEAA33144	ISO Antenna Adapter	
	YEFX9992663	Remote Control Unit	
	YEP9FZ3161	Screws Kit	
MISCELLANEOUS			
F1	YEAF02015	Fuse, 15A	⚠
FU901	YEAFSSFC0R4A	Fuse, 0.4A	⚠
ANT51	YEAA10090	Antenna Receptacle	
CJ620	K9ZZ00000176	Connector, 14P	
AP1	YEAP2711	Flexible P.C.B.	
AJ1	YEAJ071287	Cord w/Plug	
AJ2	YEAJ071285	Cord w/Plug	
AT1	K4ZZ01000048	Terminal	
AT2	K4ZZ01000048	Terminal	
AT3	K4ZZ01000048	Terminal	
AT1	YEATSD00405	Terminal, CD Servo P.C.B.	
AT2	YEATSD00405	Terminal, CD Servo P.C.B.	
HP1	YEAT03324	Terminal	
HP2	YEAT03324	Terminal	
1	YEFA031359E	Upper Cover	
2	YEFX0215184	Bracket, CD Deck	
3	YEFX0215879	Side Bracket (L)	
4	YEFF011090	Heat Sink	
5	YEFM031256	Seal, Danger	
7	YEFA08461AK	Rear Plate	
8	YEP9FX175	Front Plate Ass'y	
9	YEFE135147	Button, EJECT	
10	YEP9FX069	Hook Bracket Ass'y	
11	YEFC027509	Escutcheon Ass'y, Unit	
12	YEFR04187	Lead Cap	
13	YEFX007142	Cord Clamper	
14	YEFX0012232A	Transparent Plate	
15	YEFK061022A	Holder	
16	YEFX0012230A	Transparent Plate	
17	YEFE07501A	Knob, VOL	
18	YEFE137105A	Button, TA/DISP	
19	YEFE137237	Button, SOURCE	
20	YEFE137109A	Button, TUNE/TRACK	
21	YEFE137108A	Button, BAND	
22	YEFE137106A	Button, PRESET UP	
23	YEFE137107A	Button, PRESET DOWN	
24	YEFE137110A	Button, OPEN	
25	YEFX0052396	Spring	
26	YEFC027508A	Escutcheon Ass'y, Detacheable	

Ref. No.	Part No.	Part Name & Description	Remarks
27	YEFJ012081	Ornament Plate	
28	YEFM99816	R.C.Receiver Filter	
29	YEFW04156	Shaft Collar (L)	
30	YEFX0052253	Spring	
31	YEFV021872	Optical Shade	
32	YEFX0052572	Spring	
33	YEFV012172	Insulator	
34	YEFA05594B	Bottom Cover	
35	YEFV021899	Optical Shade	
36	YEFX0215880	Side Bracket (R)	
37	YEFX0215877	Bracket, / Power Connector (CN701)	
38	YEFX0213945B	Bracket, IC271	
39	YEFX0215932	Bracket, IC781	
40	YEFX0214168	Bracket, IC761	
41	YEFV012164	Insulator, PA51	
42	YGFA09605	Side Plate	
43	YEFA131645A	Back Cover, Detachable	
44	YEFV011928	Insulator	
45	YEFW04157	Shaft Collar (R)	
51	YEJS06092	Screw, 3mm * 10mm	
52	YEJS03020	Screw, 2mm * 4mm	
53	YEJS06017	Screw, 3mm * 8mm	
54	YEJT03009	Tapping Screw, 3mm * 8mm	
55	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
56	YGJT03156	Tapping Screw, 2.6mm * 5mm	
57	YEJT03267	Tapping Screw, 2.8mm * 5mm	
58	XYN2+J4FX	Screw, 2mm * 4mm	
60	XTN2+8GFZ	Tapping Screw, 2mm * 8mm	

12. EXPLODED VIEW (Unit)



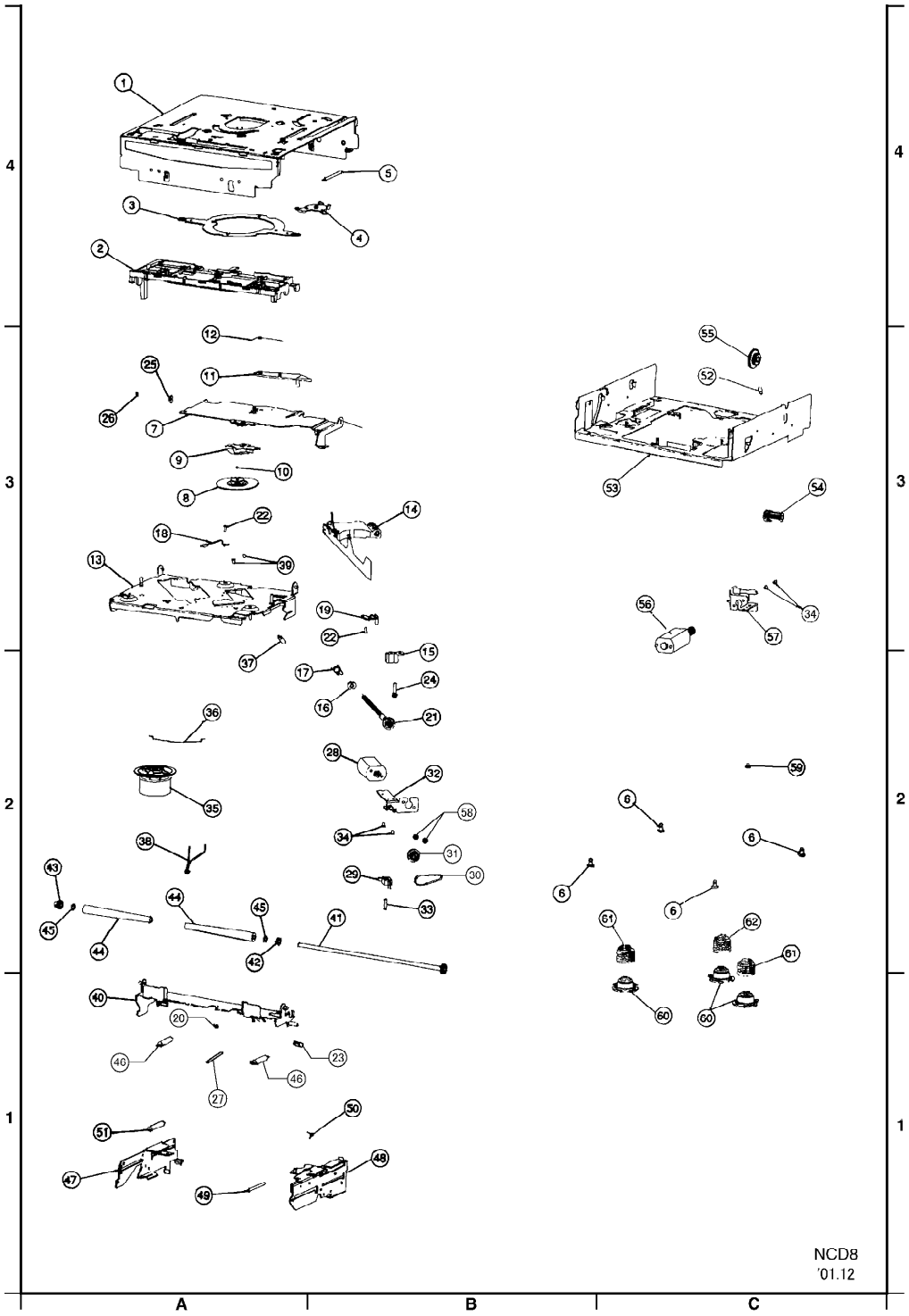
13. CD PLAYER PARTS

MISCELLANEOUS

Ref. / No.	Part No.	Part Name & Description	Remarks
1	YGFA011781	Upper Chassis	(4-A)
2	YGFX236153	Disk Guide	(4-A)
3	YGFX0462017	Link Lever	(4-A)
4	YGFX0462018	Detection Lever (2)	(4-B)
5	YGFX0052357	Detection Lever (2) Spring	(4-B)
6	YEJT03216	Screw	(2-C) (2-B)
7	YGFX249461	Clamp Arm	(3-A)
8	YGFX007640	Clamper	(3-A)
9	YGFX0052363	Clamper Spring Plate	(3-A)
10	YEFX999957	Ball Bearing	(3-A)
11	YGFX0462013	Detection Lever (1)	(3-A)
12	YGFX0052352	Detection Lever (1) Spring	(3-A)
13	YGFA011947	Suspension Chassis Ass'y	(3-A)
14	YEP0FX4378	Optical Pick-up Ass'y	(3-B)
15	YGFW04150	Feed Screw Housing A	(2-B)
16	YGFW04137A	Feed Screw Housing B	(2-B)
17	YGFX0052386	Thrust Adjusting Spring	(2-B)
18	YEFX0052557	Traverse Guide	(3-A)
19	YGFX9992027	Feed Screw Carrier	(3-B)
20	YEFS011723	Rubber Pad (2)	(1-A)
21	YEJT03211	Traverse Gear Ass'y	(2-B)
22	YEJS02037A	Screw, (Pick-up)	(3-A) (3-B)
23	YEFS011712	Rubber Pad (1)	(1-A)
24	XYN2+J10FX	Screw, (Housing) 2mm * 10m	(2-B)
25	YGFX0051590	Spring Washer	(3-A)
26	XUC15V	Retaining Ring, 1.5mm	(3-A)
27	YGFX0052395	Offset Spring	(1-A)
28	YGP0FX4162	Traverse Motor Ass'y	(2-B)
29	YEAS23151A	Inner Switch	(2-B)
30	YEFR03080	Rubber Belt	(2-B)
31	YGFX026124A	Idler Pulley	(2-B)
32	YGFX018658	Motor Bracket Ass'y	(2-B)
33	YEJS02018FZ	Screw, (SW)	(2-B)
34	YEJS06097A	Screw, 2mm * 25mm	(2-B)
35	YGP0FX3529	Spindle Motor Ass'y	(2-A)
36	YGFX0051991C	Spring (Motor)	(2-A)
37	YGFX0052353	Clamper Spring	(2-A)
38	YGAJ071286	Motor Cable	(2-A)
39	XQN17+A25FX	Screw, 1.7mm * 25mm	(3-A)
40	YGFX0462019	Feeder Arm Ass'y	(1-A)
41	YGP0FX3507	Roller Gear Ass'y	(2-B)
42	YGFW04144	Roller Shaft Collar (1)	(2-A)
43	YGFW04138	Roller Shaft Collar (2)	(2-A)
44	YGFX218310	Rubber Roller	(2-A)
45	YEJW05169	Washer	(2-A)
46	YGFX0052362	Spring (Feeder Arm)	(1-A)
47	YGFX0462015A	Suspension Lock Plate (L)	(1-A)
48	YGP0FX3504	Suspension Lock Plate (R) Ass'y	(1-B)
49	YGFX0052355	Spring (Rack Gear)	(1-A)
50	YGFX0052356	Spring (Rack Lock Lever)	(1-B)
51	YGFX0052360	Spring (Suspension Lock Plate L)	(1-A)
52	YGFX0052361	Spring (Lock Plate)	(3-C)
53	YGFA011779	Bottom Chassis Ass'y	(3-C)
54	YGFX003940	Driving Gear (1)	(3-C)

Ref. / No.	Part No.	Part Name & Description	Remarks
55	YGFX003941	Driving Gear (2)	(3-C)
56	YGP0FX4167	Loding Motor Ass'y	(3-C)
57	YGFX018660	Loding Motor Bracket Ass'y	(3-C)
58	XQN2+A25FX	Screw, 2mm * 25mm	(2-B)
59	YEJS06188	Screw	(2-C)
60	YGFS04755	Oil Dumper	(1-C)
61	YGFX0052358	Suspension Spring (A)	(2-C)
62	YGFX0052359	Suspension Spring (B)	(2-C)

14. EXPLODED VIEW (CD Deck)



15. WIRING DIAGRAM

15.1. Display Block

15.2. Main Block (Top View)

15.3. Main Block (Bottom View)

15.4. CD Servo Block (Top View)

15.5. CD Servo Block (Bottom View)

15.6. Front SW/ Interface Block

16. SCHEMATIC DIAGRAM

16.1. Main Block

16.2. Display Block

16.3. CD Servo Block

16.4. Front SW/ Interface Block

17. BLOCK DIAGRAM

17.1. Main Block

17.2. Display/ Interface/ Front SW Block

17.3. CD Servo Block

18. SCHEMATIC DIAGRAM for Printing with Letter Size

18.1. Main Block (Left Side)

18.2. Main Block (Right Side)

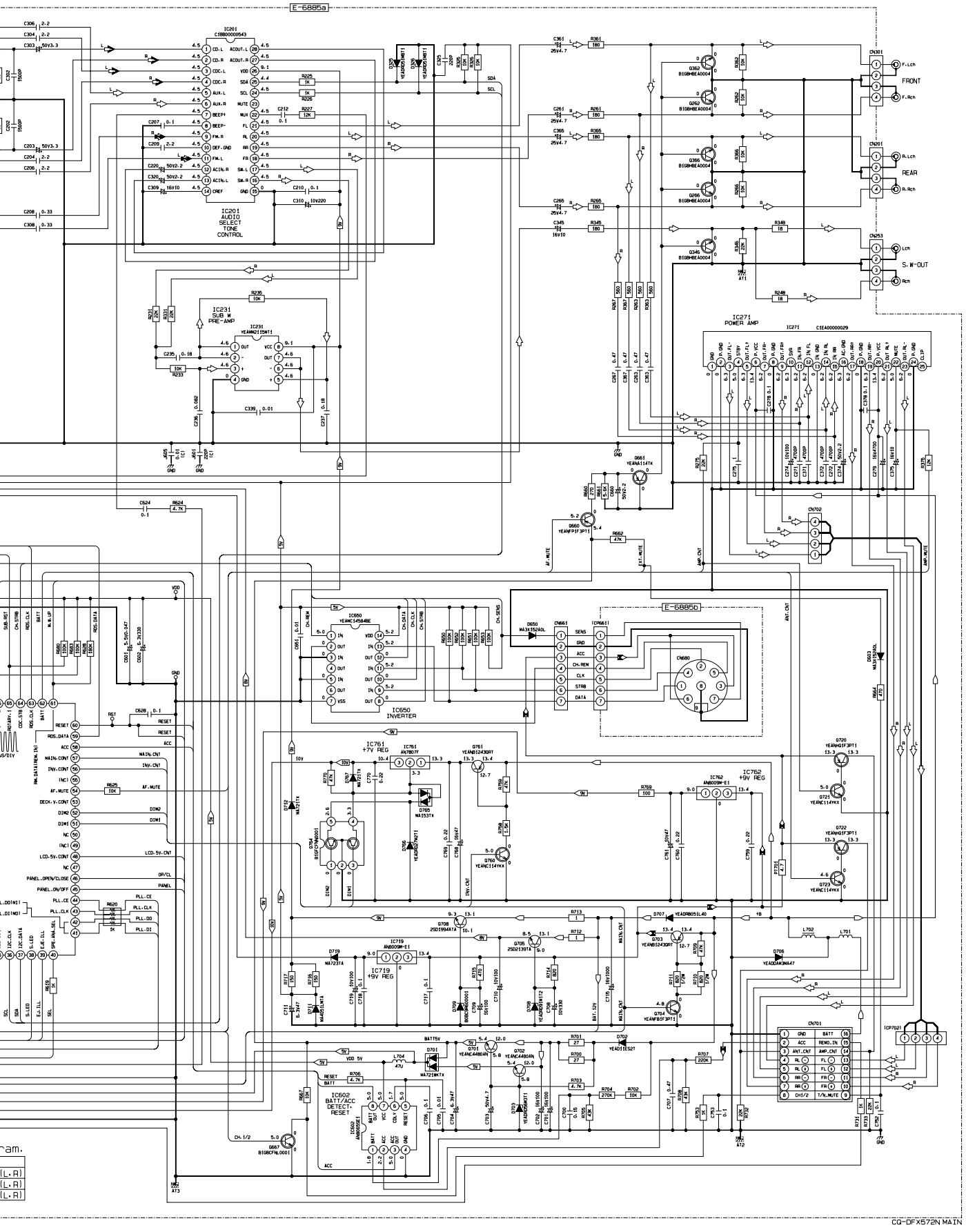
18.3. Display Block (Left Side)

18.4. Display Block (Right Side)

18.5. CD Servo Block (Left Side)

18.6. CD Servo Block (Right Side)

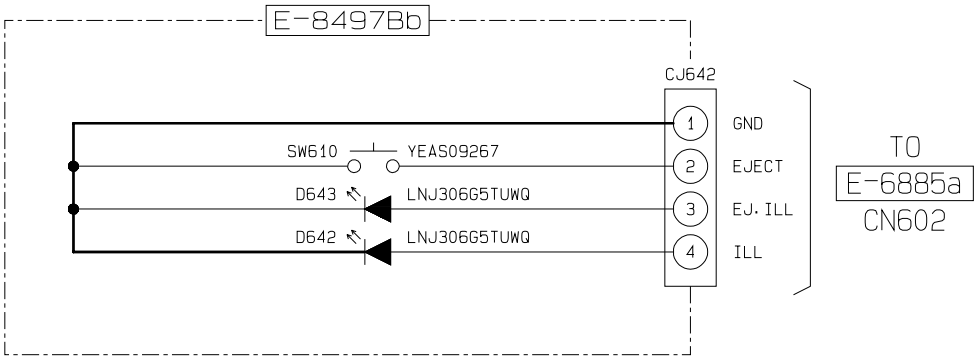
18.7. Front SW/ Interface Block

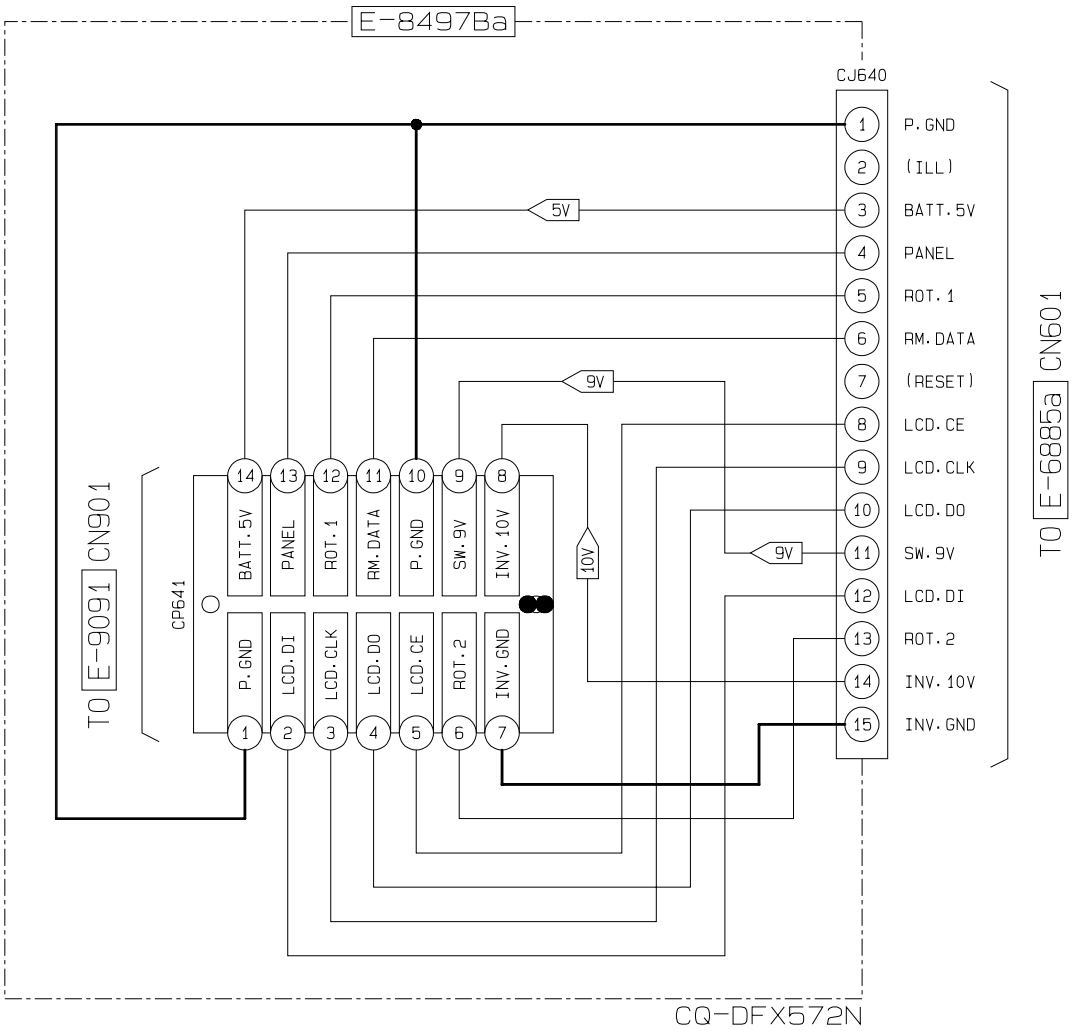

E-6885a
IC201
AUDIO SELECT TONE CONTROL
IC231
SUB W PRE-AMP
IC271
POWER AMP
FRONT
REAR
S.W-OUT
E-6885d
IC650
INVERTER
IC751
+7V REG
IC762
+9V REG
IC719
+9V REG
IC602
BATT/ACC DETECT. RESET
CN701
CN702
CN680
CQ-DFX572N MAIN

16.4. Front SW/ Interface Block

The following symbols are
shown on the schematic diagram.

10V	10V
9V	9V
5V	5V





E-90688a

OPTICAL HOLOGRAM PICK-UP

IC101 RF AMP

IC401 CD DSP

IC501 CD CPU

IC551 IM SRAM

IC451 SUB CPU

IC541 3V TO 5V

IC531 REG

E-90688c Loading Motor

E-90688b Spindle Motor / Traverse Motor

E-90688d

The following symbols are shown on the schematic diagram.

8V	8V
5V	5V
3.3V	3.3V
CD (L.R)	

CQ-DFX572N CD DECK

The following symbols are shown on the schematic diagram.

10V	10V
9V	9V
5V	5V

IC902 IR RECEIVER

IC902 B3MGZ0000006

D905 MAB056LMHTX

D904 MAB056LMHTX

D903 MAB056LMHTX

D902 MAB056LMHTX

D901 MAB056LMHTX

C913 1000P

C912 1

C911 1

R915 100

R916 100

R908 3.3K

D908 LN1271PAL SOURCE

CN901

BATT.5V PANEL ROT.1 RM.DATA P.GND SW.9V INV.10V

P.GND LCD.DI LCD.CLK LCD.DD LCD.CE ROT.2 INV.GND

TO E-8497Ba CP641

R914 1K DI

R913 1K CLK

R912 1K DO

R911 1K CE

Q901 B1GDCFJJ000B

Q902 B1GBCFNN0009

KI1

KI2

SW901 YEAS09312 TA

SW903 YEAS09312 DISP

SW905 K0H1BA000285 DISC UP

SW907 K0H1BA000285 TUNE UP

SW902 YEAS09312 SOURCE

SW906 K0H1BA000285 BAND

SW908 K0H1BA000285 TUNE DOWN

SW909 K0H1BA000285 DISC DOWN

SEL

SW904 K9AA018B0003

VOL UP

VOL DOWN

R904 270

D906 B0BCBR100002

C907 16V2.2

C916 5600P

C915 5600P

R902 10K

R901 10K

C906 0.1

R931 4.7K

R932 4.7K

R933 4.7K

R934 4.7K

C904 0.1

C903 0.1

C902 0.1

C905 220P

R903 33K

R905 10K

DO

CE

CLK

DI

IC901 C0HBA000004B

KI1 KI2 KI3 KI4 KI5 P1 (RM.CONT) P2 (LED-R) P3 (LED-G) P4 (LED-B) VDD VLCD VLCD0 VLCD1 VLCD2 VLCD3 VLCD4 VSS TEST OSC0 OSC1 /INH DO CE CL DI

2V/DIV·2mS/DIV

2V/DIV·1mS/DIV

2V/DIV·2uS/DIV

2V/DIV·20mS/DIV

2V/DIV·1mS/DIV

2V/DIV·20mS/DIV

IC901 LCD DRIVE

FU901 YEAFSSFC0R4A

R921 680

R922 4.7K

R923 4.7K

L921 G1C101M00014

L922 G5C1AAA00001

C924 0.022

C925 15P

C921 16V22

C922 0.1

C923 0.1

Q921 YEANSSTA06T

Q922 YEANSSTA06T

CF1901 A2CA000000019

R1

W1

LCD901 L5ACALD00002

E-6885a

PA51 C5BA00000104

PA51 FM/AM TUNER PACK

	FM	AM		FM	AM
1	0	0	12	3.2	3.2
2	0	0	13	3.2	3.2
3	0	0	14	0	0
4	5	5	15	0	0
5	5	5	16	0	0
6	4.4	4.7	17	4.7	4.7
7	4.4	4.7	18	4.7	4.7
8	4.4	0	19	4.7	0
9	2.4	2.4	20	0	0
10	0	0	21	0	0
11	0	0			

AUX-IN

CD. C-IN

IC201 C1BB00000543

IC201 AUDIO SELECT TONE CONTROL

IC231 SUB W PRE-AMP

IC231 YEAM21134T1

IC271 POWER AMP

IC271 C1EA00000029

FRONT

REAR

S. W-OUT

IC401 PLL

IC501 RDS DECODER

IC801 SPECTRUM ANALYZER

IC792 +5V REG

IC781 +10V REG

IC791 +8V REG

IC601 CPU

IC601 C2CBJG000197

IC650 INVERTER

IC761 +7V REG

IC762 +9V REG

IC719 +9V REG

IC602 BATT/ACC DETECT. RESET

CN681

TO E-9066Bb CN1

TO E-8497Bb CJ642

TO E-8497Ba CJ640

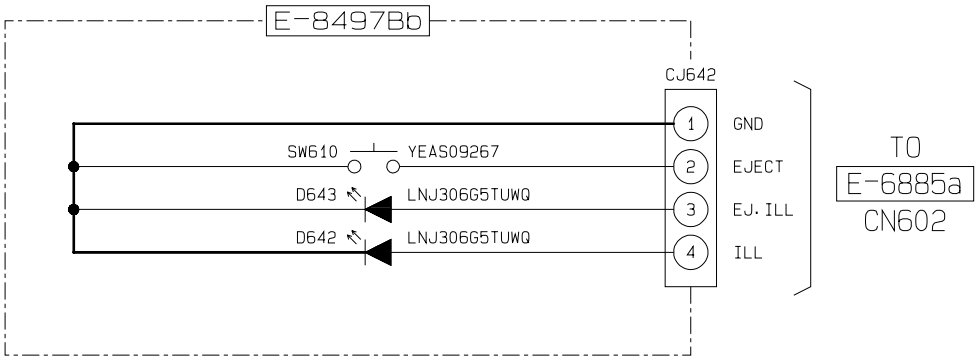
The following symbols are shown on the schematic diagram.

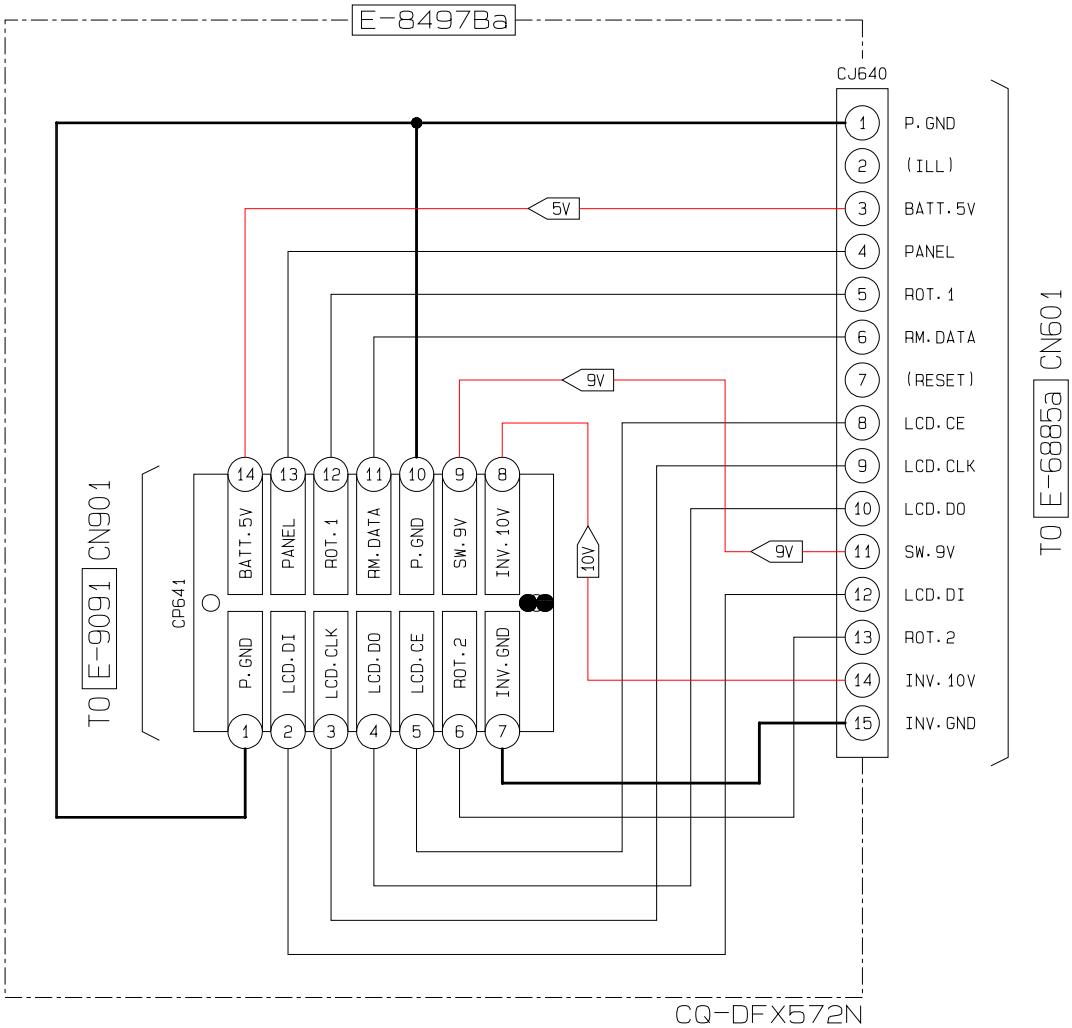
+B		5V	5V	
ACC		RADIO	(L.R)	
10V		CD	(L.R)	
9V		AUDIO	(L.R)	
8V				

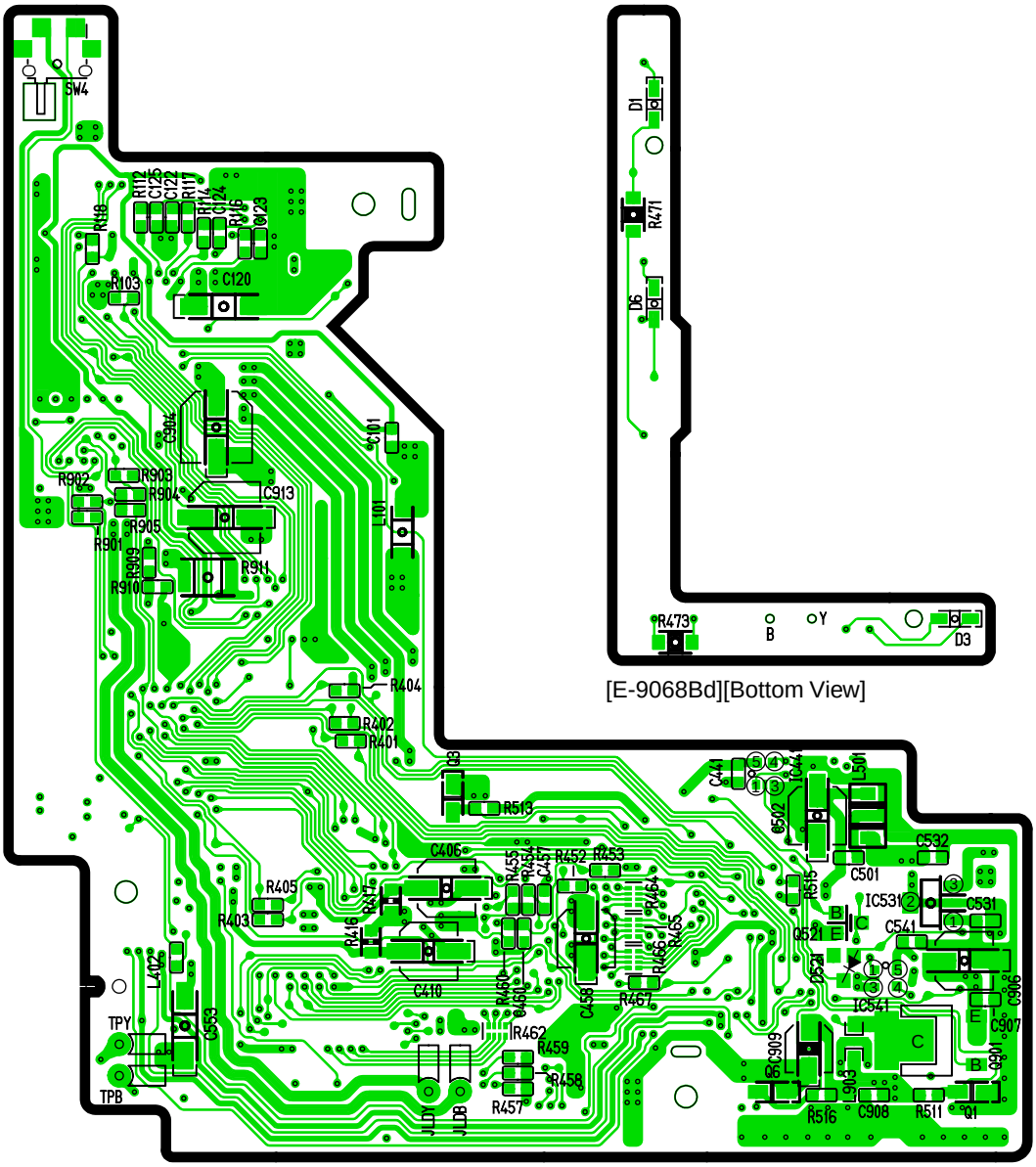
CQ-DFX572N MAIN

The following symbols are shown on the schematic diagram.

10V	10V
9V	9V
5V	5V

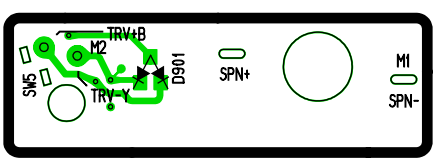




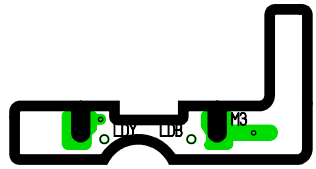


[E-9068Bd][Bottom View]

[E-9068Ba][Bottom View]

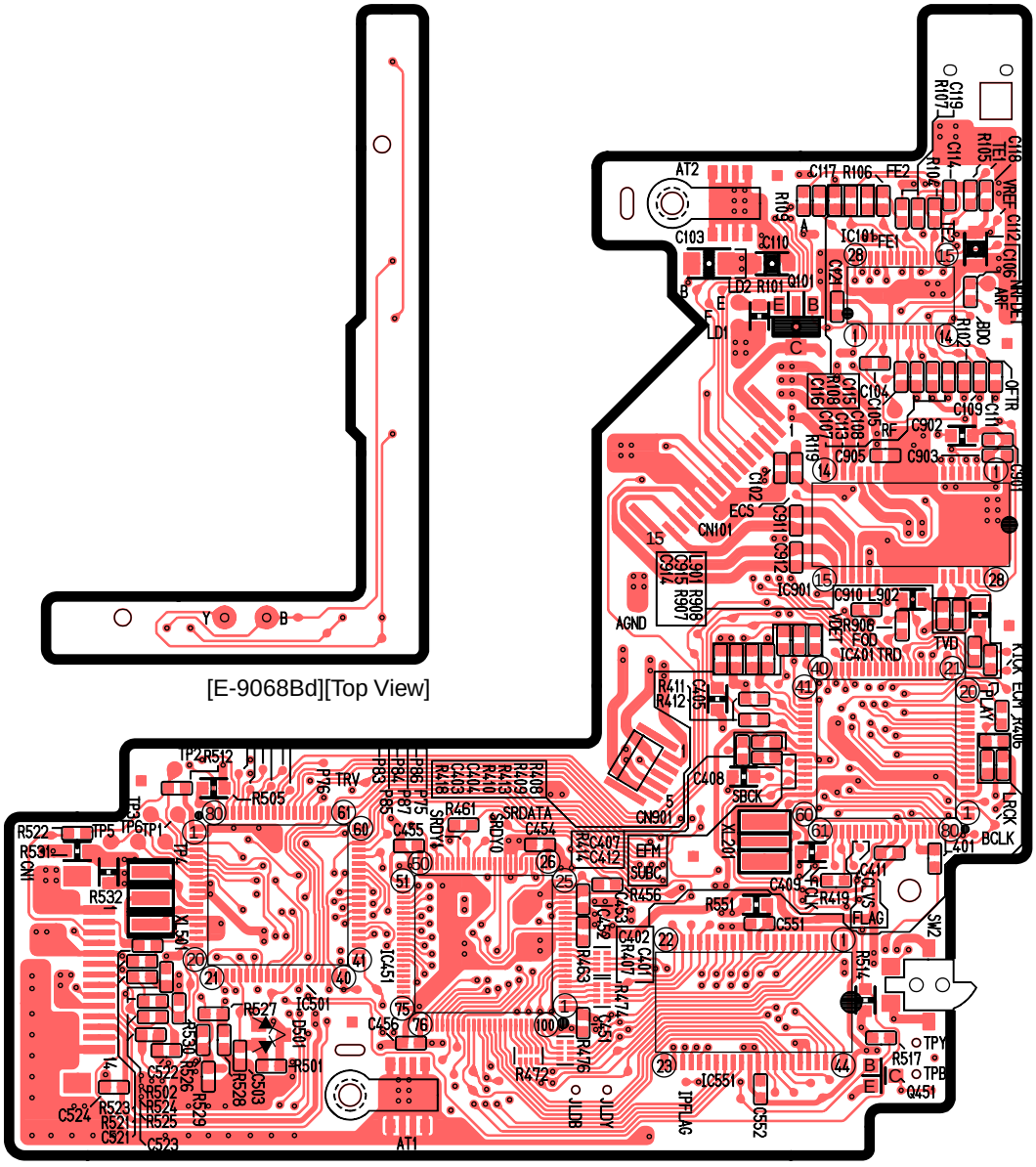


[E-9068Bb][Bottom View]

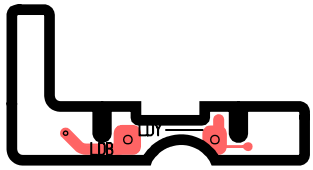


[E-9068Bc][Bottom View]

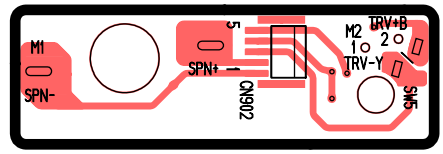
[E-9068Bd][Top View]



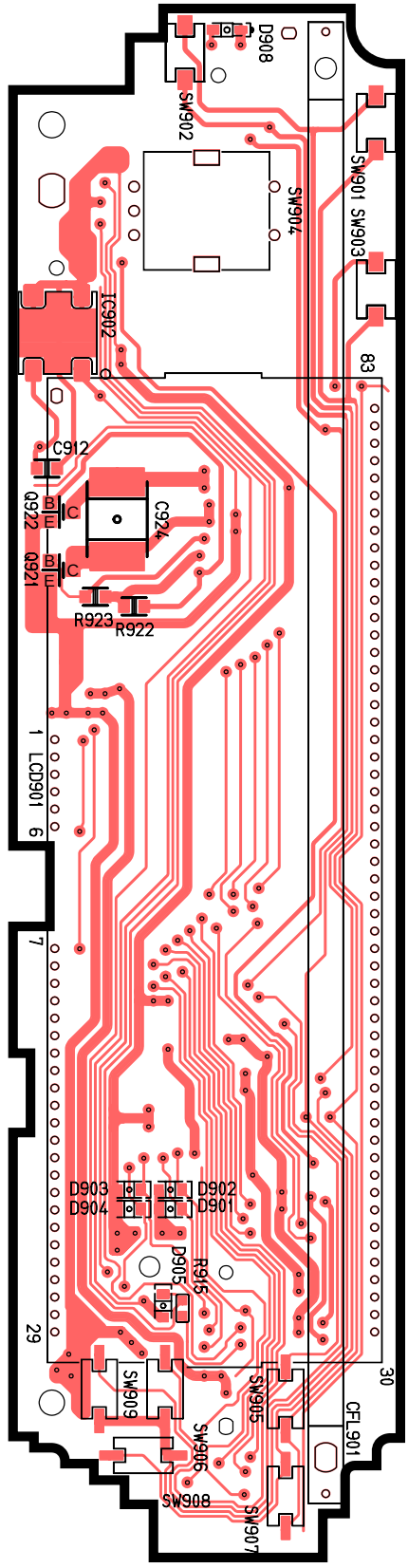
[E-9068Ba][Top View]



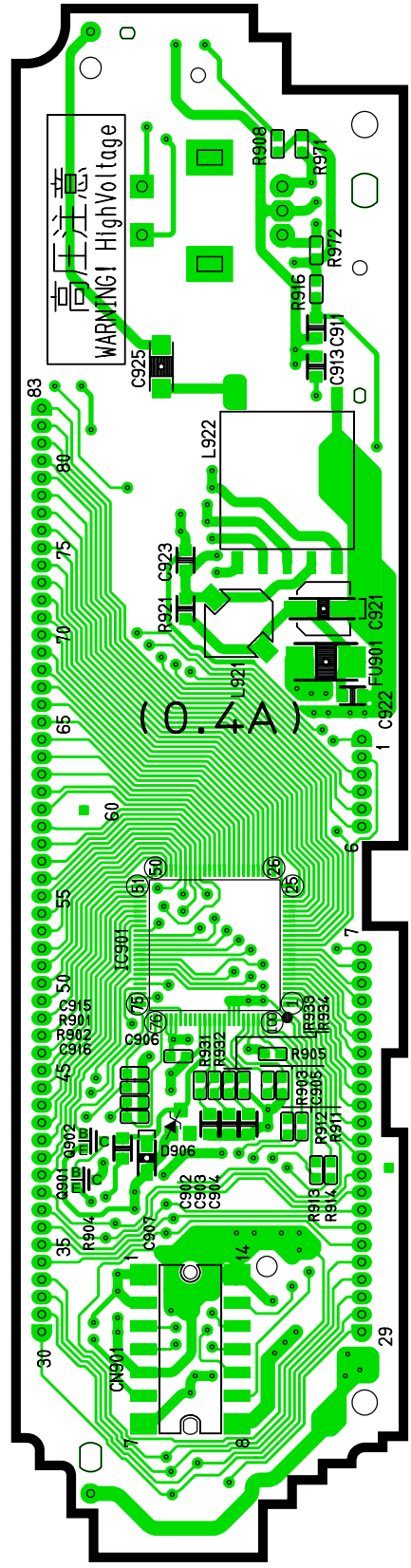
[E-9068Bc][Top View]



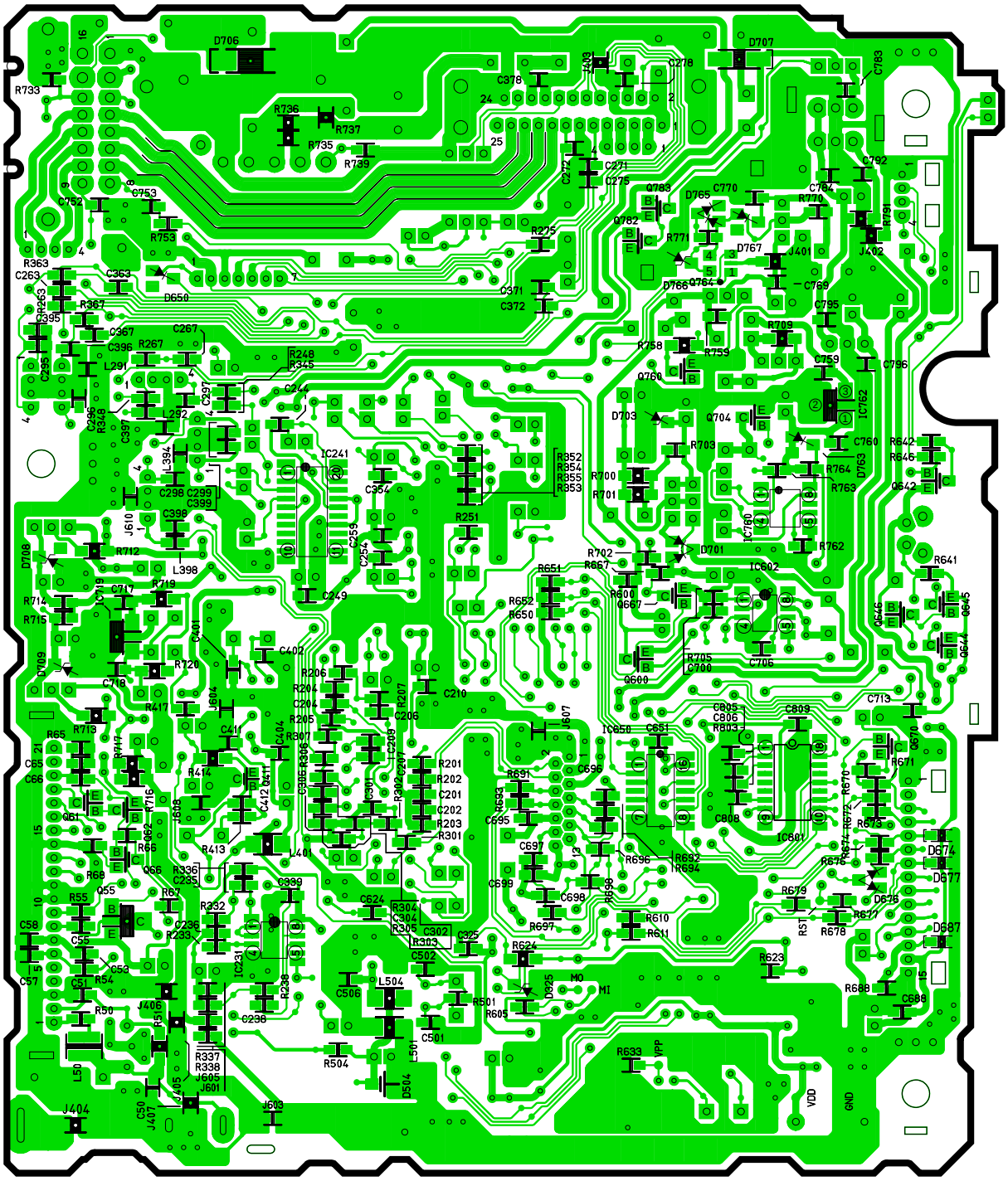
[E-9068Bb][Top View]



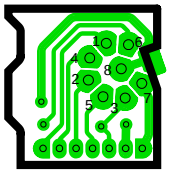
[E-9091][Top View]



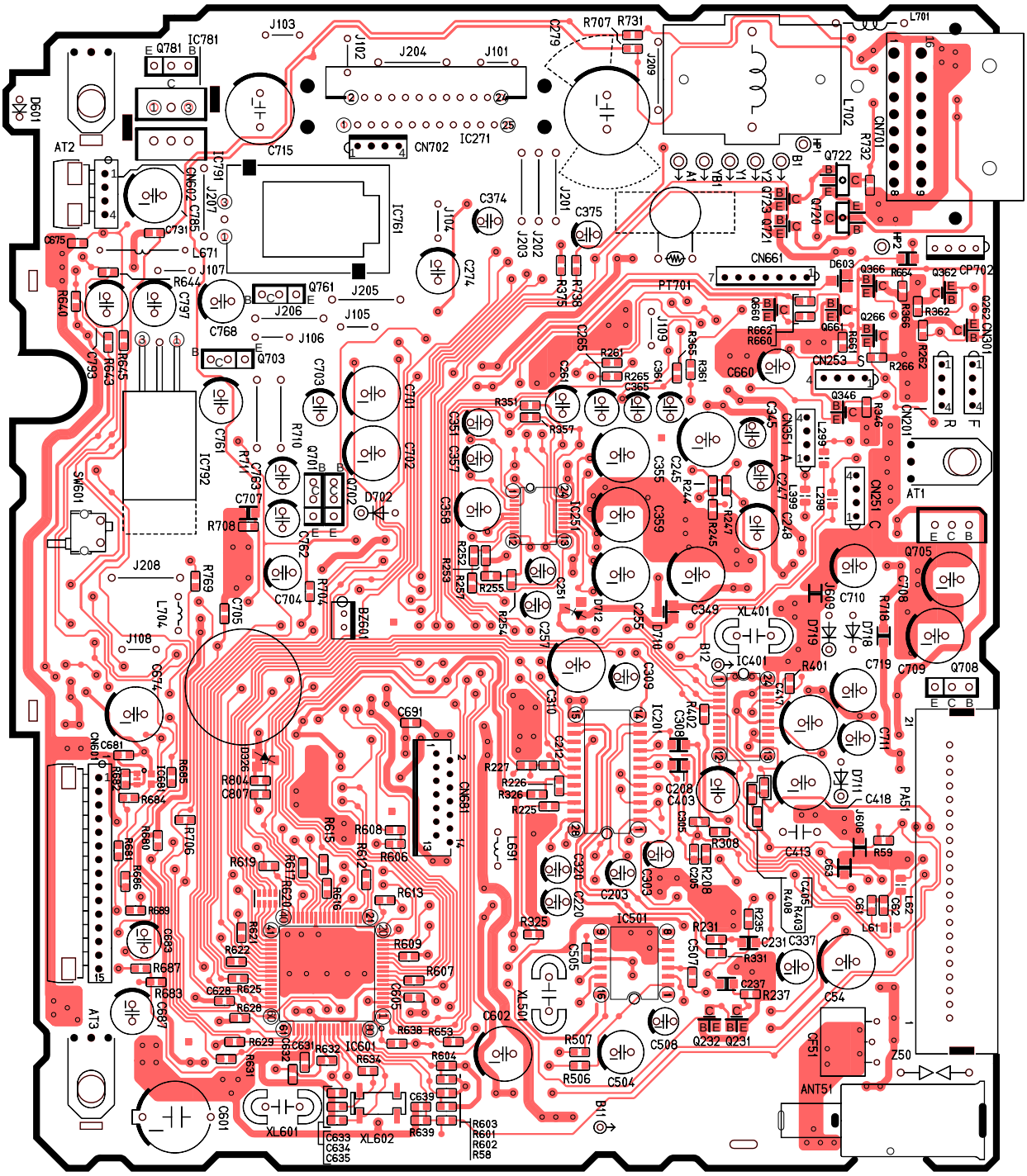
[E-9091][Bottom View]



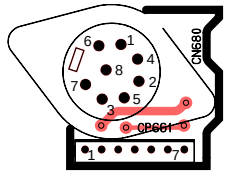
[E-6885a][Bottom View]



[E-6885b][Bottom View]

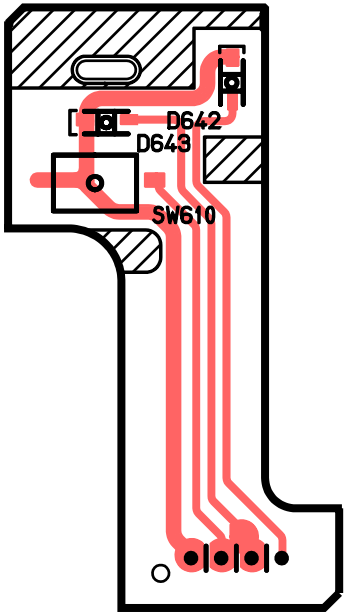


[E-6885a][Top View]

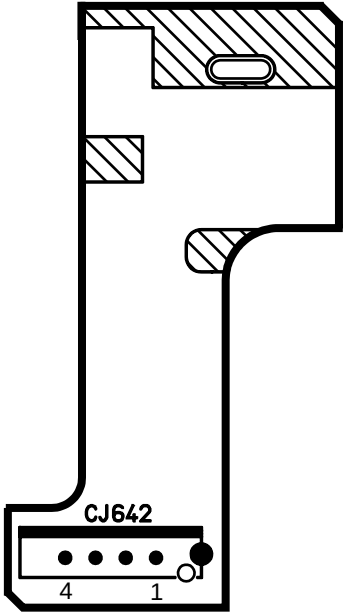


[E-6885b][Top View]

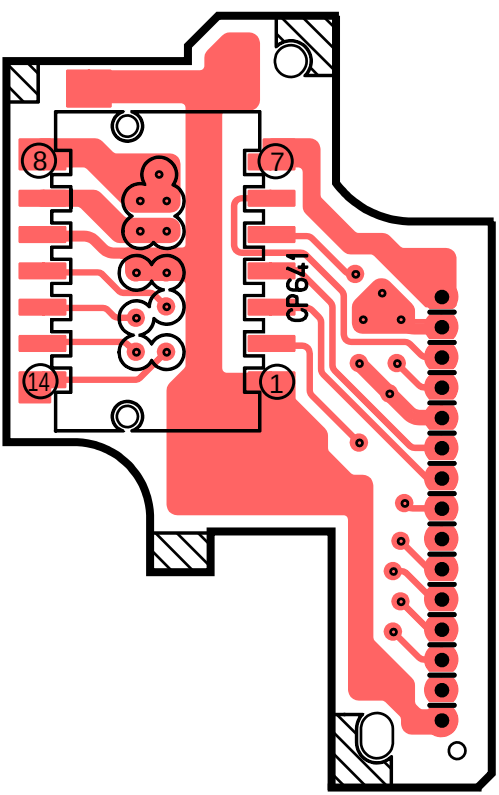
CQ-DFX572N MAIN P.C.B.



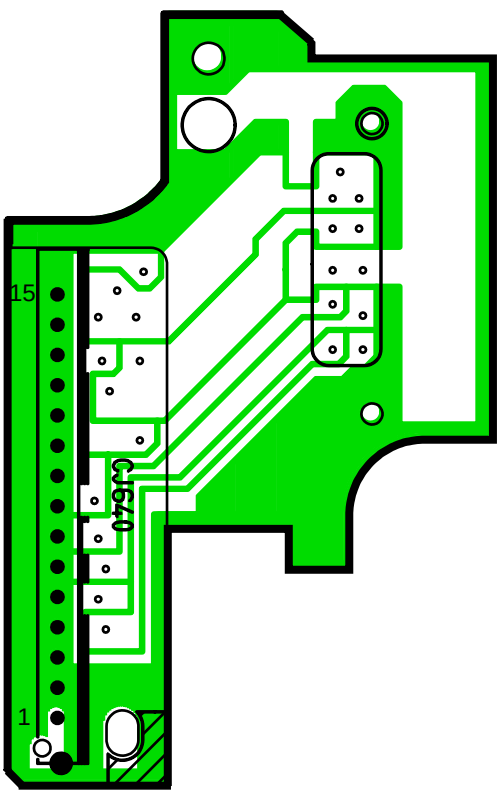
[E-8497Bb][Top View]



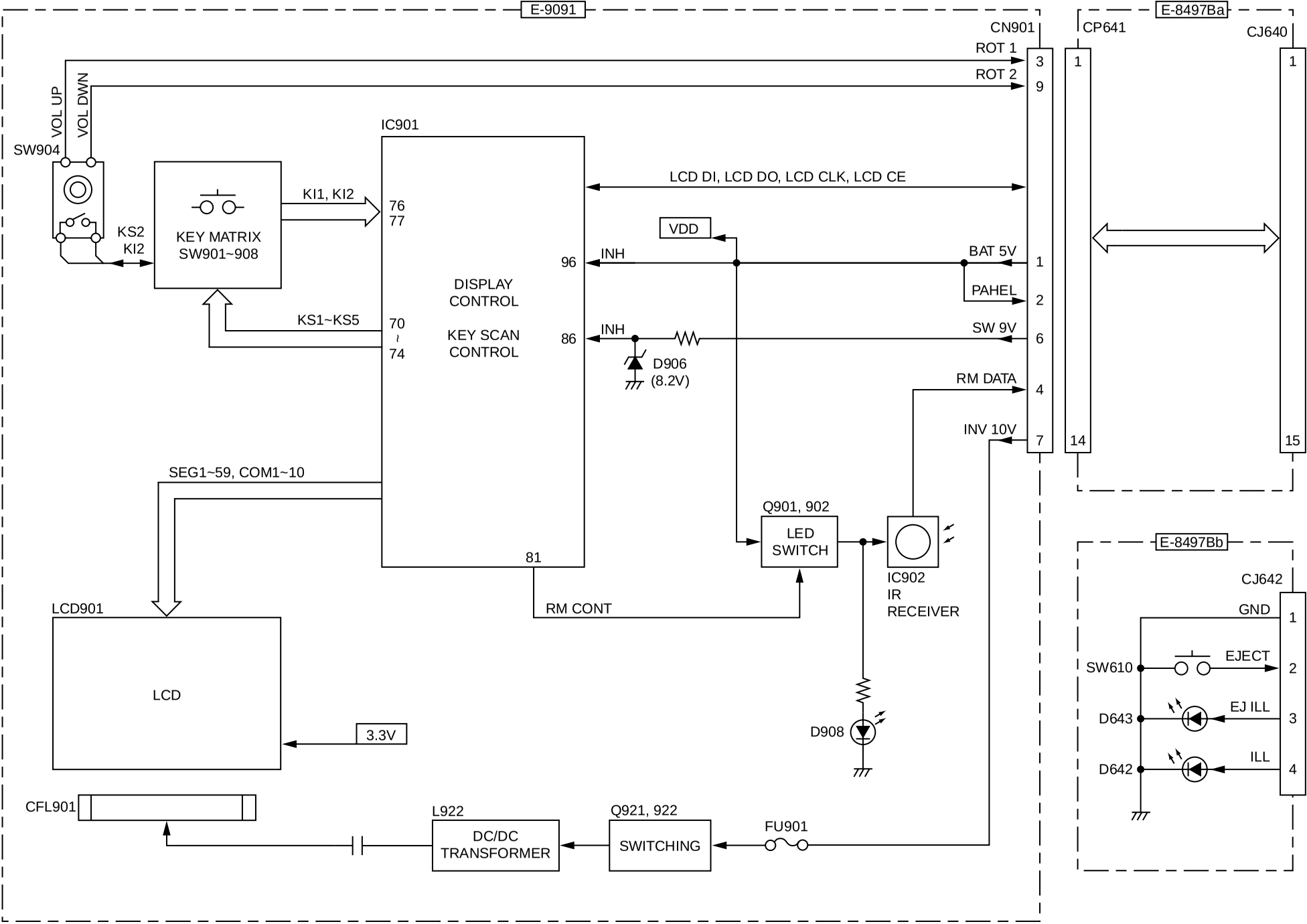
[E-8497Bb][Bottom View]



[E-8497Ba][Top View]



[E-8497Ba][Bottom View]


E-9091
CN901
ROT 1
ROT 2
3
9
VOL UP
VOL DWN
SW904
IC901
KEY MATRIX
SW901~908
KI1, KI2
KS2
KI2
76
77
KS1~KS5
70
~
74
DISPLAY
CONTROL
KEY SCAN
CONTROL
LCD DI, LCD DO, LCD CLK, LCD CE
VDD
96
INH
BAT 5V
1
PAHEL
2
86
INH
SW 9V
6
D906
(8.2V)
RM DATA
4
INV 10V
7
E-8497Ba
CP641
CJ640
1
14
15
SEG1~59, COM1~10
Q901, 902
LED
SWITCH
IC902
IR
RECEIVER
81
RM CONT
LCD901
LCD
3.3V
D908
E-8497Bb
CJ642
GND
SW610
EJECT
D643
EJ ILL
D642
ILL
CFL901
L922
DC/DC
TRANSFORMER
Q921, 922
SWITCHING
FU901

E-6885a

PA51 FM/AM TUNER PACK

ANT — ANT51 — L50 — AM ANT / FM ANT

AM RF AMP — FM RF AMP — RF AGC — FM IN — AM IN — Lch Out — Rch Out — FM DET Out

Lch — Rch — RADIO

8V — Q55 MODE SW — AM/FM — MODE — FM/AM OSC — IF OUT — ST — VSM

FM DET — FM ST/MONO — TUNER CONTROL

IC201 AUDIO SELSCT TONE CONTROL

IC201 — AC OUT L — AC OUT R — AC OUT L — AC OUT R

RADIO L — RADIO R — AUX L — AUX R — CD.C L — CD.C R — CD L — CD R — BZ

INPUT MUTLIPLEXER — GAIN/AUTOZERO — MIX — MIXING STAGE — LOUDNESS — VOLUME — SOFT MUTE — TREBIE — BASS

MONO FADER ×4 — MONO FADER ×2 — ZERO CROSS

BEEP — DIGITAL CONTROL PC-BUS

I²C — SCL — SDA

AUX — CD.C — CD

FL — FR — RL — RR — SW — SUB W

IC231 SUB W PRE-AMP — Q660,661 MUTE DRIVE — AF MUTE

IC271 POWER AMP — Q362 — Q262 — Q366 — Q266 — Q346

AMP MUTE — AMP CNT

CN701 — CN702 (CP702) — FL(+) FL(-) FR(+) FR(-) RL(+) RL(-) RR(+) RR(-) AMP SW ANT SW CH 1/2 ACC BATT

CN301 — F. Lch — F. Rch

CN201 — R. Lch — R. Rch

PRE OUT

SUB WOOFER — CN253 — SUB WOOFER

IC401 PLL — REFERENCE DIVIDER — XL401 — PHASE DETECTOR CHARGE PUMP — LPF — Q411 — SWALLOW COUNTER — FM OSC — UNIVERSAL COUNTER — FM IN — DATA SHIFT REGISTER LATCH — C²B I/F — CE — DI — CLK — DO — MONO — AM/FM — Q61, 62 MONO SW — FM ST/MONO — PLL CONTROL

IC801 SPECTRUM ANALIZER — DIF — 105Hz BPF — 340Hz BPF — 1Hz BPF — 34kHz BPF — 105kHz BPF — PEAK HOLD ×5 — MPX — A. OUT — SEL — C — B — A — DECODE

CN351 — AUX IN L/R — AUX L — AUX R

CD.C IN L/R — CD.C L — CD.C R

CN251

CN681 — OUT L — OUT R — PWR 5V — PWR 8V — BATT +5V — CD ON — CD SCK — CD SO — CD SI — CD RESET — MUTE — CD L — CD R — BAT 5V(1/2)

CD DECK

IC792 +5V REG — IC781 +10V REG — IC791 +8V REG — Q781~783 POWER SW — BAT 12V — MAIN CNT

IC501 RDS DECODER — Q66 AMP — FM DET — MPX IN — ANTIALIAS SC BANDPASS FILTER — PLL — OSC — Vcc — RDS DATA — RDS CLK — MODE — XL501

I²C — AF MUTE — BZ OUT — TUNER CONTROL — PLL CONTROL — CD CONTROL — DISPLY CONTROL

IC601 CPU — MAIN CNT — X1 — XL601 — X2

CD CONTROL — IC761(7V) — Q760,761 INV SW — BATT — INV. CNT — Q764 — D765 — D766 (2.7V) — DIM1 — DIM2

CN601 — INV 10V — VDD 5V — VLCD 9V — PANEL OP/CL — ROTARY 1 — REMO DATA — LCD CE — LCD CLK — LCD DO — LCD DI — ROTARY 2

Q670 LCD 5V SW — VDD 5V — LCD 5V CNT

DISPLAY CONTROL

CN602 — EJECT — EJ ILL — ILL

Q644 EJ ILL SW — EJ ILL — VDD 5V(2) — IC762 +9V REG — +B ON

Q645,646 ILL SW — ILL CNT — D601 — Q642 — S.LED — SW601 — PANEL SW

EJ ILL — ILL CNT — S. LED — PANEL SW — EJECT

CH 1/2 — Q667 CHANGER SELECT — CH 1/2 — CHANGER CONTROL

Q720,721 AMP SW — AMP CNT — +B ON(2)

Q722,723 ANT SW — ANT CNT

IC602 ACC/BAT DETECT RESET — BATT DET — ACC DET — RESET — ACC

Q701,702 D703 +5V REG — BATT 5V — VDD 5V — VDD 5V(2) — D701 — D702 — BATT

Q708,709 +10V REG — 10V — VCC 5V — D712 — D711 (5V) — D707

Q703,704 POWER SW — MAIN CNT

Q705,708 +8V REG — 8V — +B ON

IC719 +9V REG — LPF 9V — D719

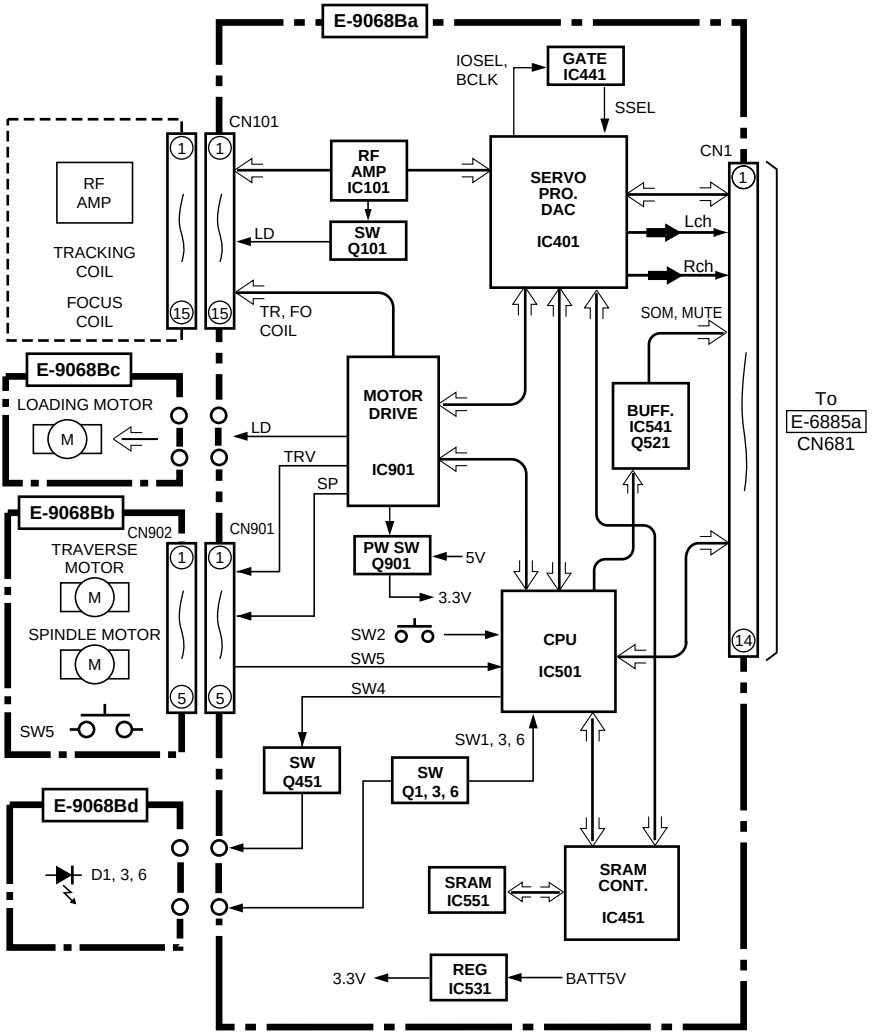
BATT 12V — +B ON(2)

CN661 (CP661) — ACC — SENS — CH. REM — CLK — STRB — DATA — D650

IC650 — CHANGER CONTROL

E-6885b — CN680

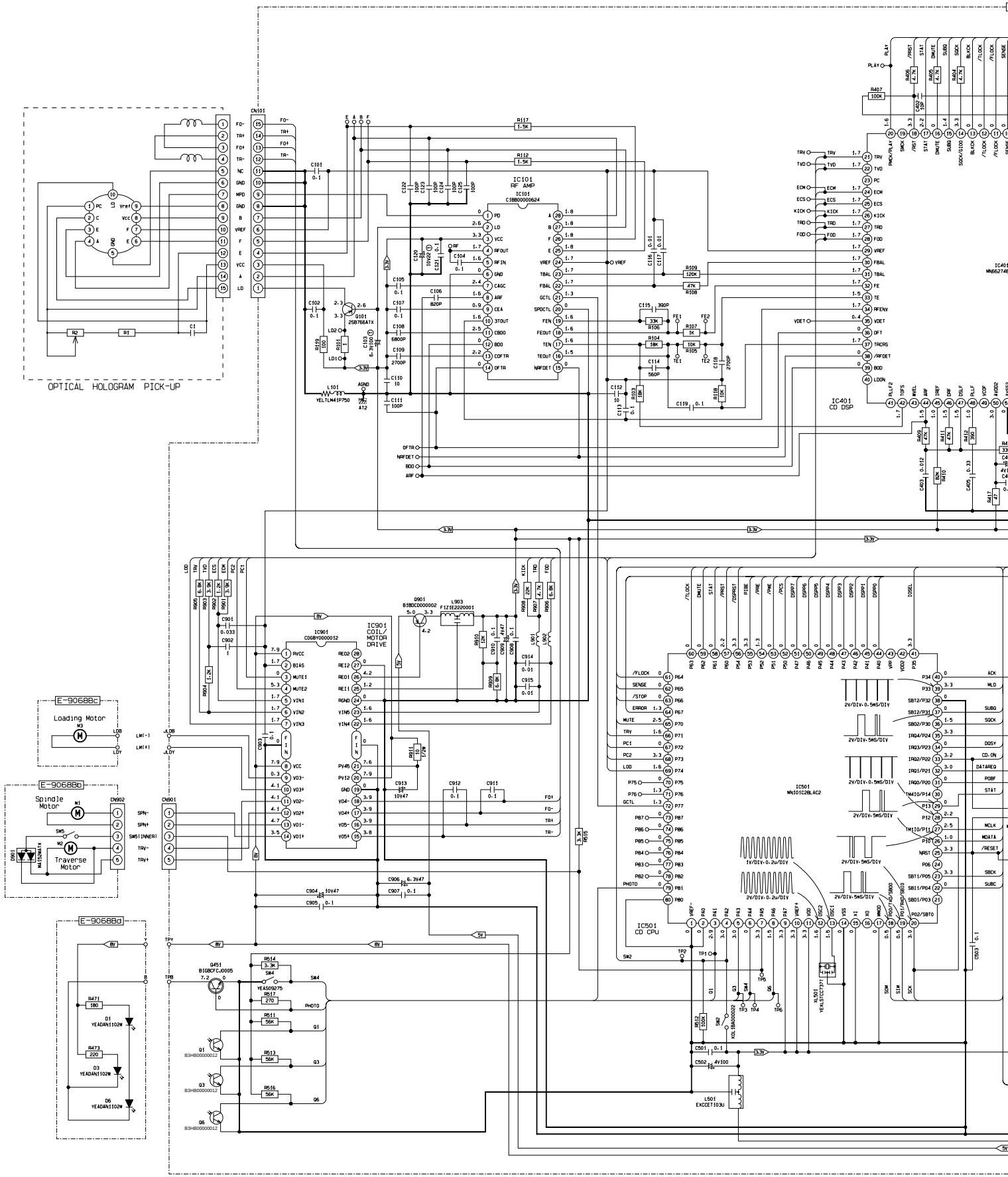
CQ-DFX572N Main Block

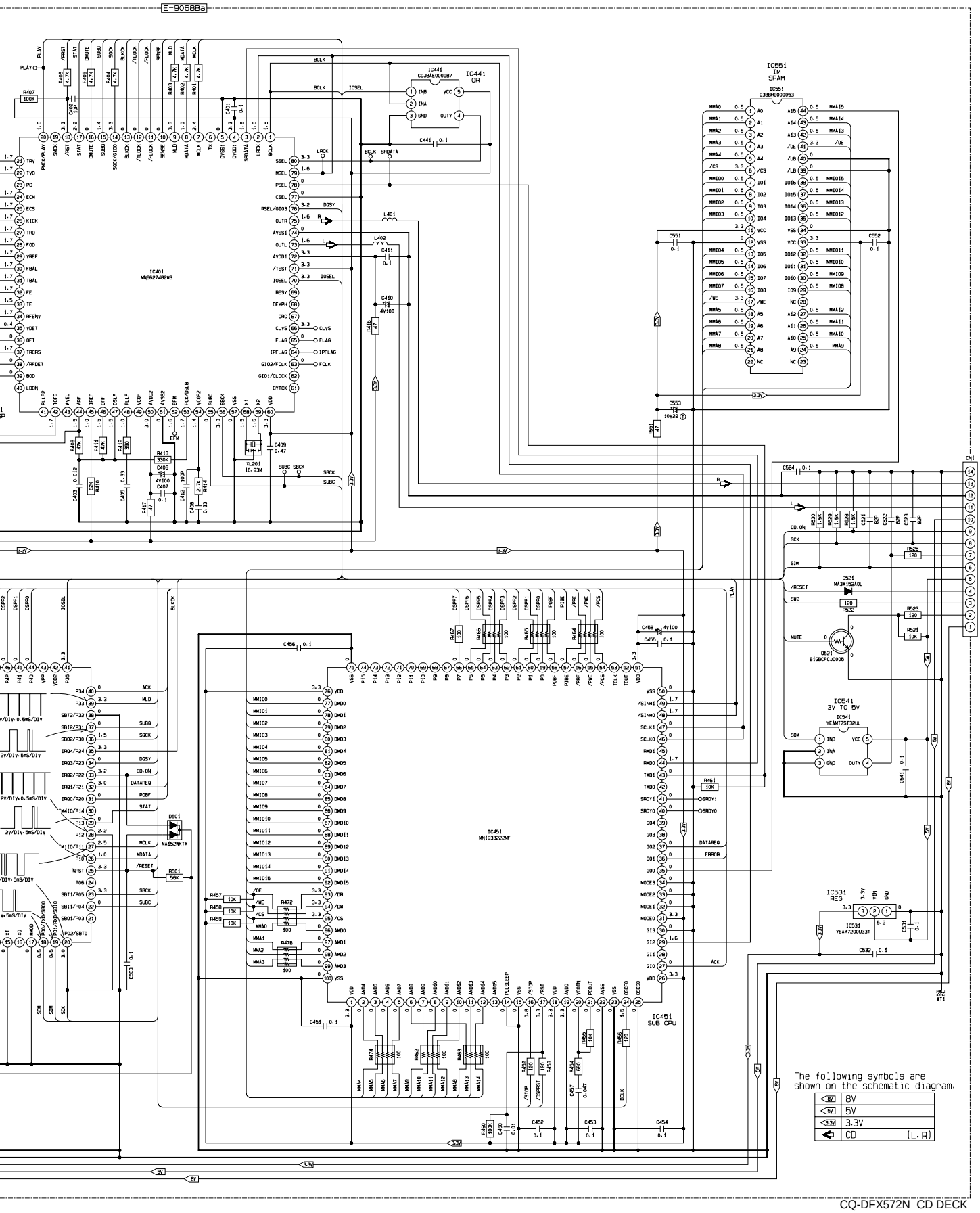


CQ-DFX572N CD Servo Block

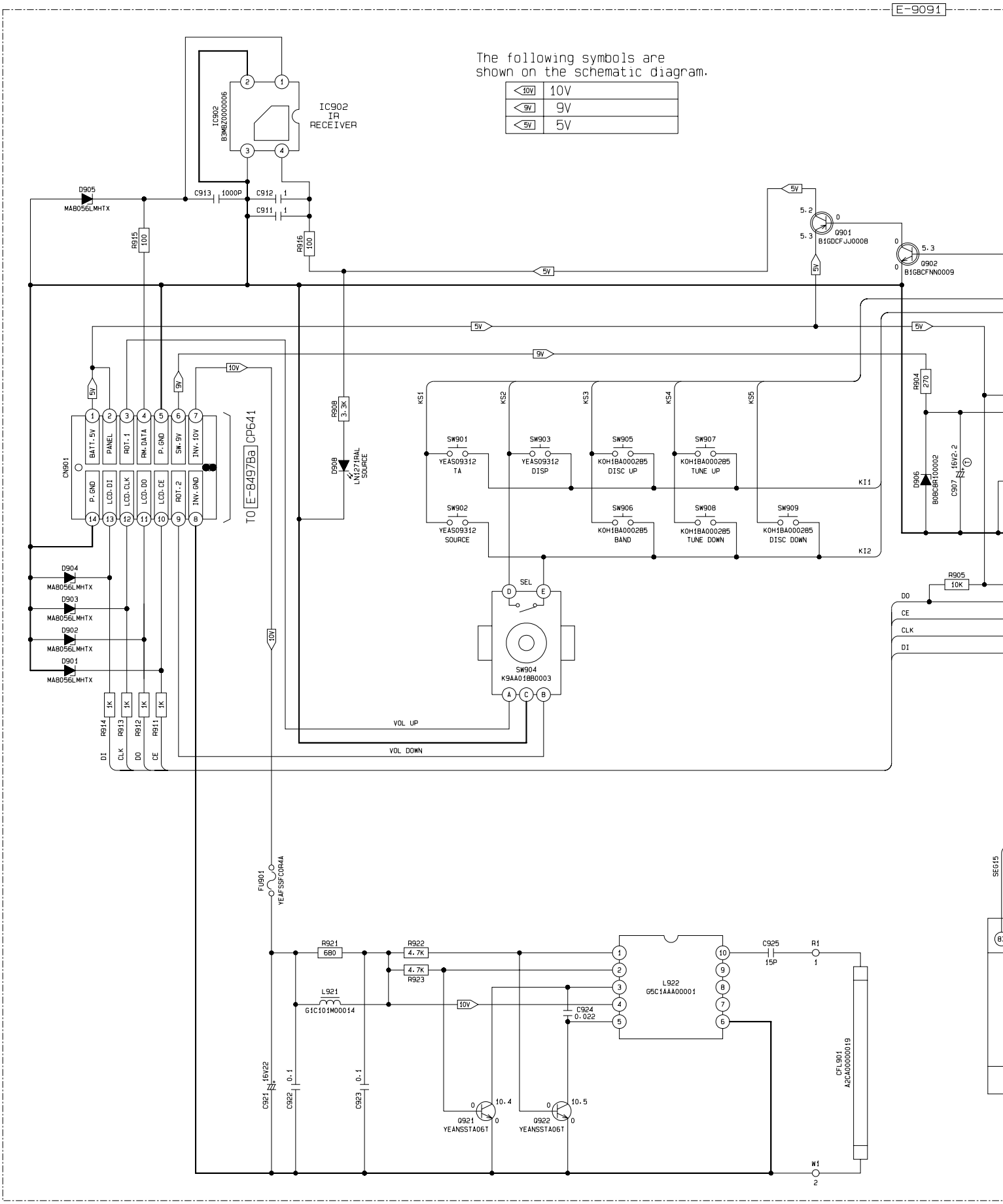
Printed in Japan (K)
2002.2
(Recycled Paper)

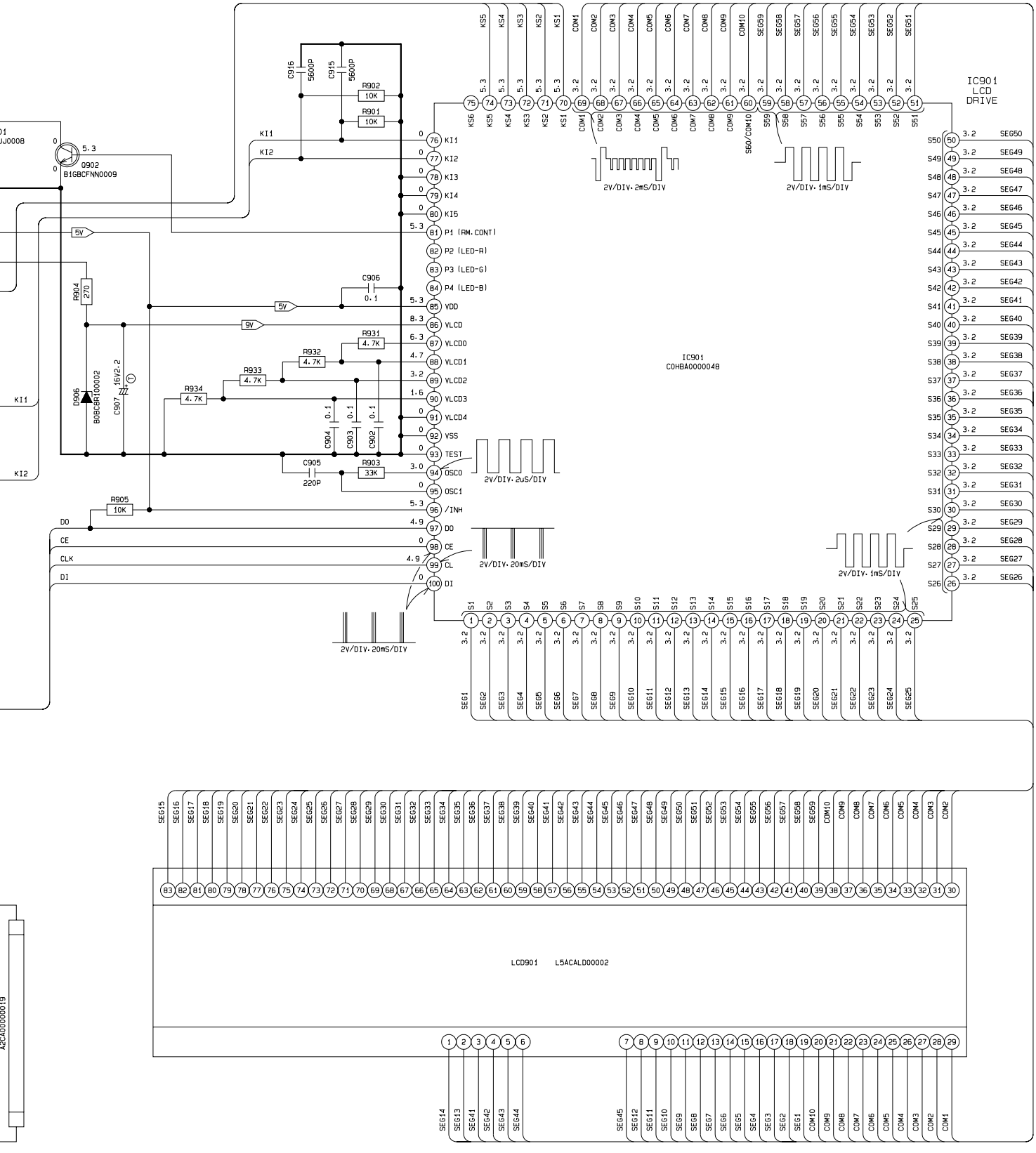
16.3. CD Servo Block




E-9068Ba
IC401
MN662748ZWB
IC441
CDJBAE000087
IC441
OR
IC551
IM
SRAM
C3BBHG000053
IC451
MN193322ZMF
IC451
SUB CPU
IC541
3V TO 5V
YEAM7ST32UL
IC531
REG
YEAM7200U33T
CN1
TO E-6885a CN681
P.GND
RCH
AUDIO.GND
LCH
P.5V
CD.ON
SCK
SOM
SIM
BATT5V
/RESET
SW2
MUTE
PBY
The following symbols are shown on the schematic diagram.
8V
5V
3.3V
CD (L.R)
CQ-DFX572N CD DECK

16.2. Display Block




IC901
LCD
DRIVE
IC901
C0HBA0000048
Q902
B1GBCFNN0009
D906
B0BCBR100002
C907 16V2.2
R904 270
R902 10K
R901 10K
C916 5600P
C915 5600P
C906 0.1
R931 4.7K
R932 4.7K
R933 4.7K
R934 4.7K
C904 0.1
C903 0.1
C902 0.1
C905 220P
R903 33K
R905 10K
5V
9V
KI1
KI2
KI3
KI4
KI5
P1 (AM.CONT)
P2 (LED-R)
P3 (LED-G)
P4 (LED-B)
VDD
VLCD
VLCD0
VLCD1
VLCD2
VLCD3
VLCD4
VSS
TEST
OSC0
OSC1
/INH
DO
CE
CL
DI
2V/DIV. 2mS/DIV
2V/DIV. 1mS/DIV
2V/DIV. 2uS/DIV
2V/DIV. 20mS/DIV
LCD901 L5ACALD00002

16 SCHEMATIC DIAGRAM

16.1. Main Block